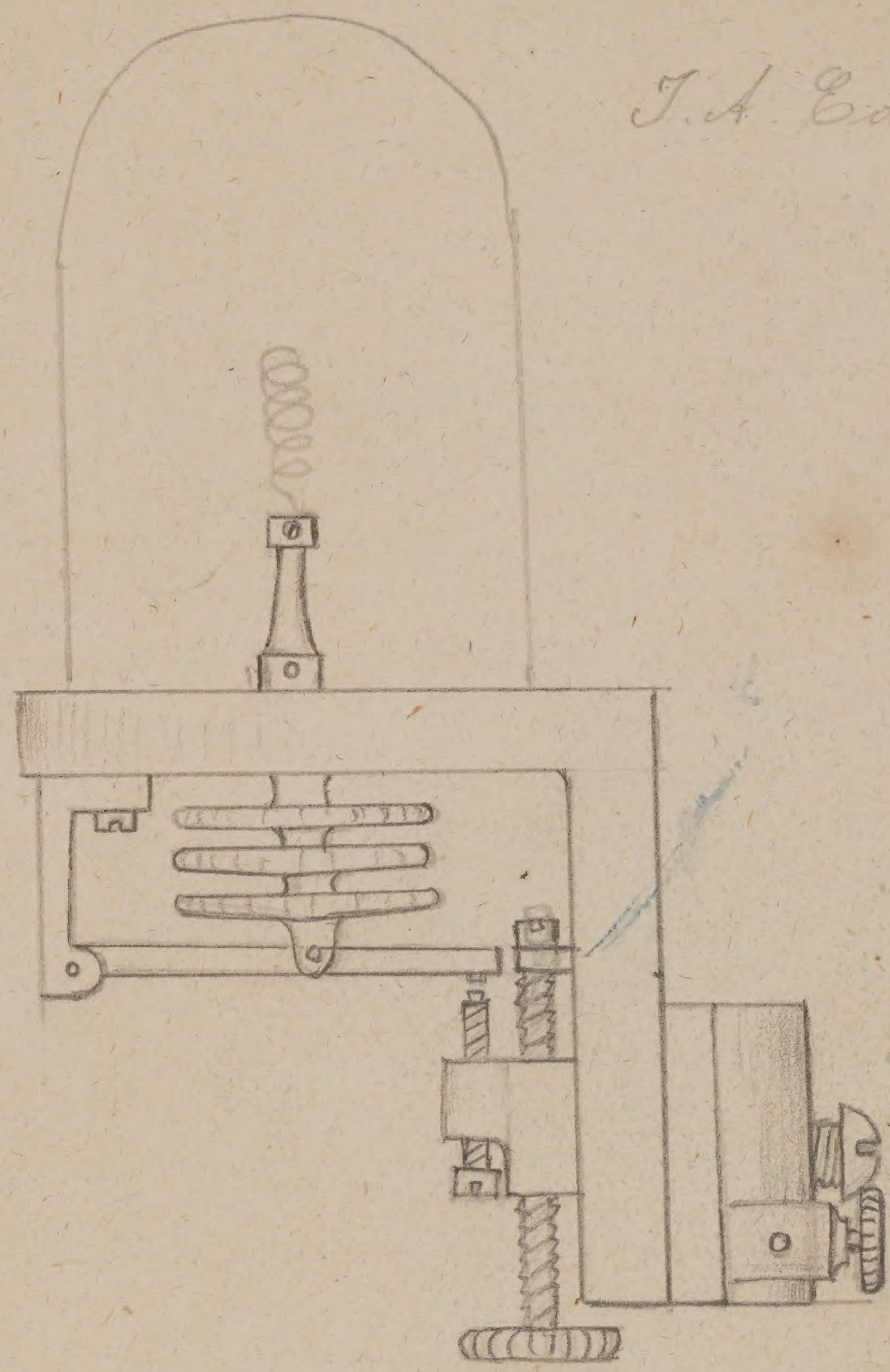
Notizen=Buch.
1878.

d. 8. Dec. in Dorf u. [illegible]
Schloß angefangen.

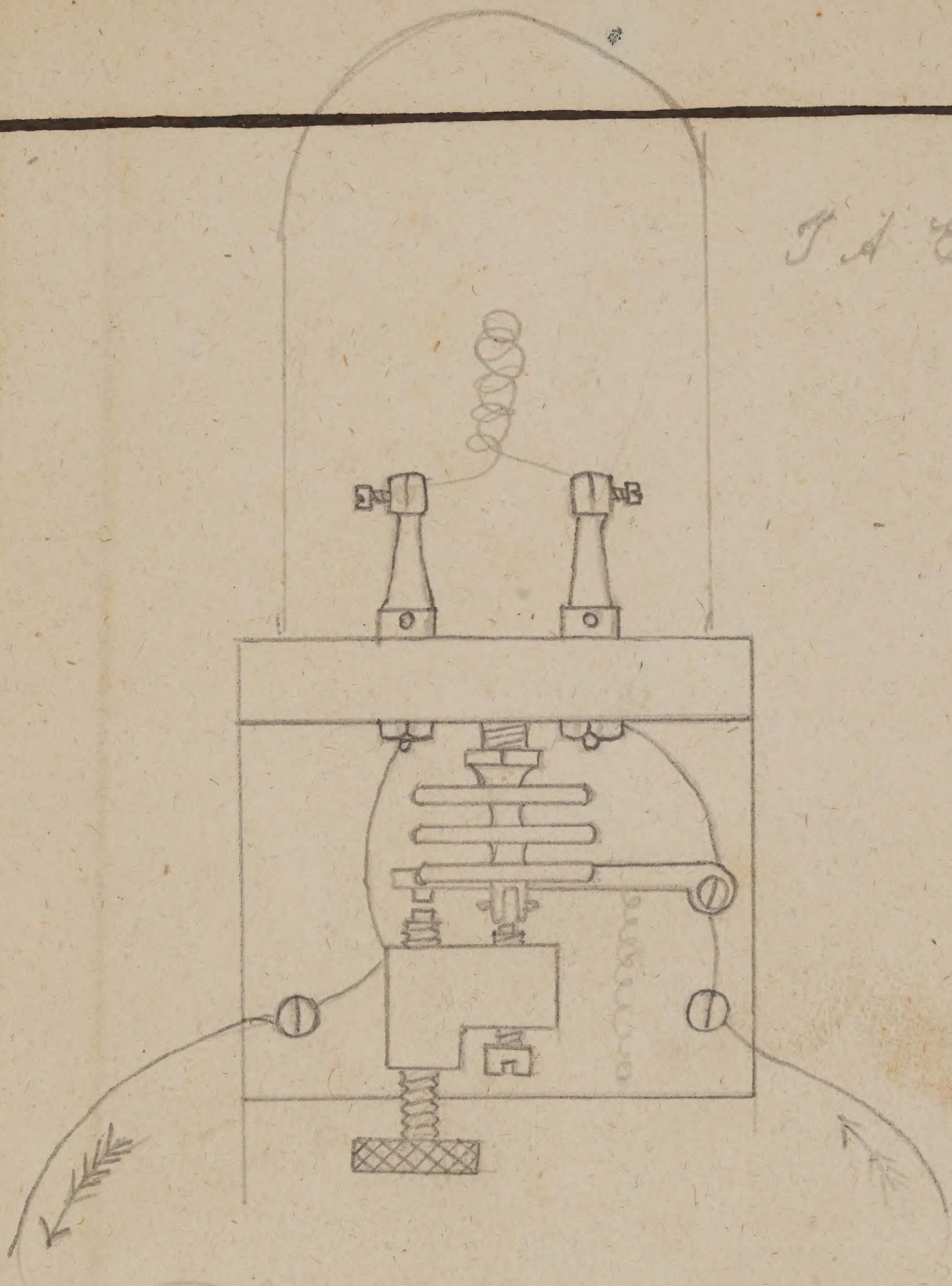
Nov . 12 . 1878

Boston
Boston

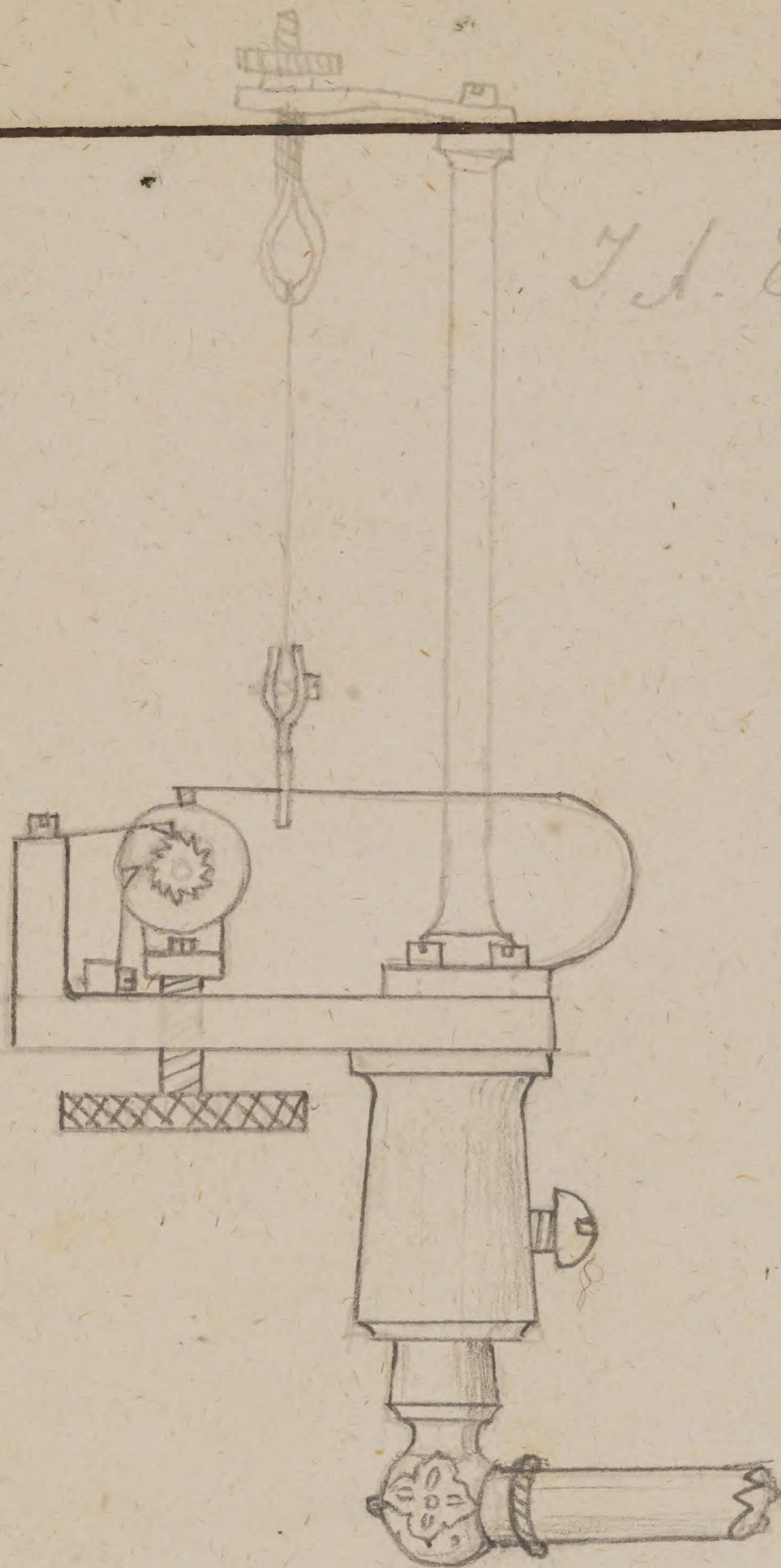
T. A. Edison



T A Edison



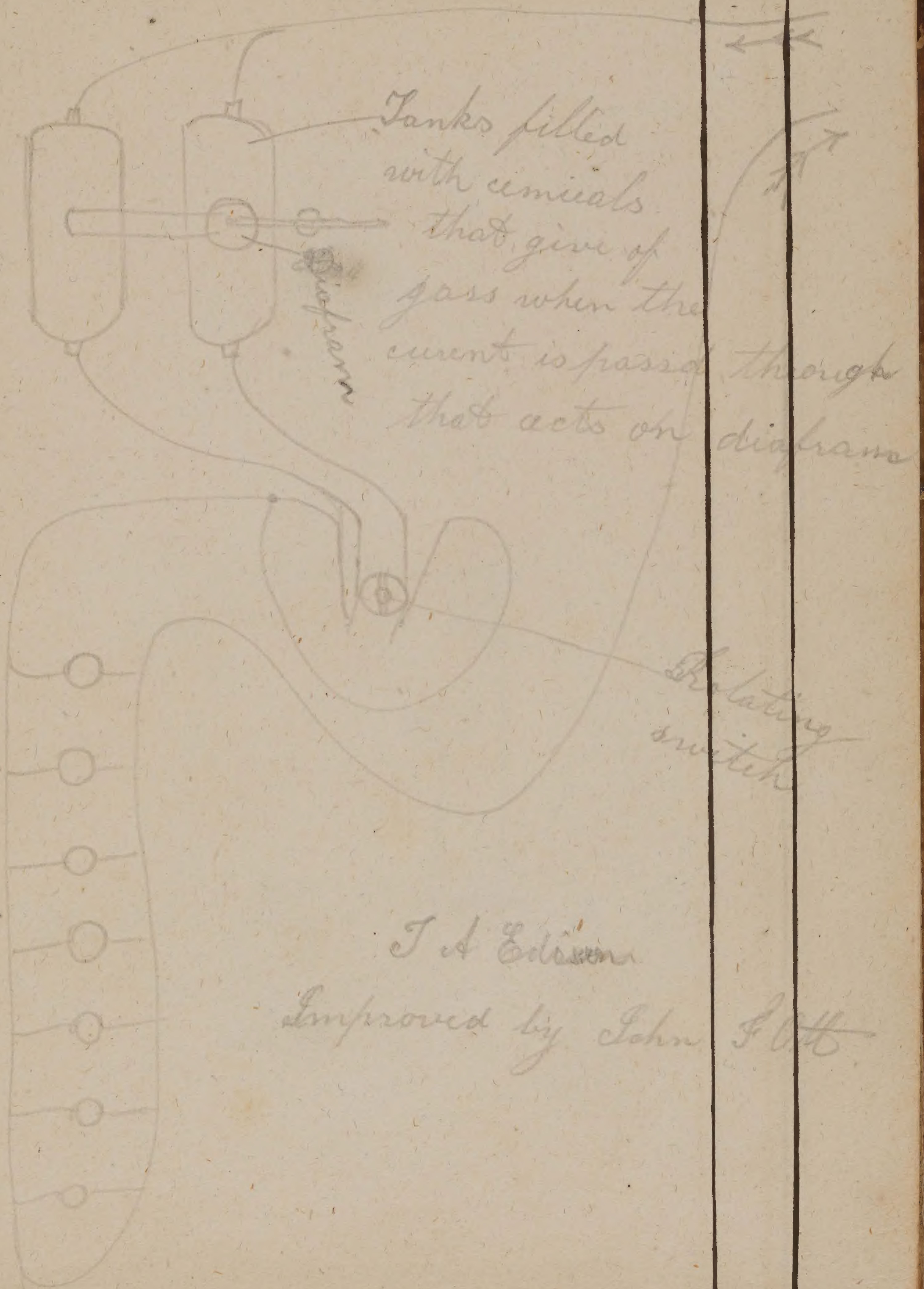
Dec 12. 1878

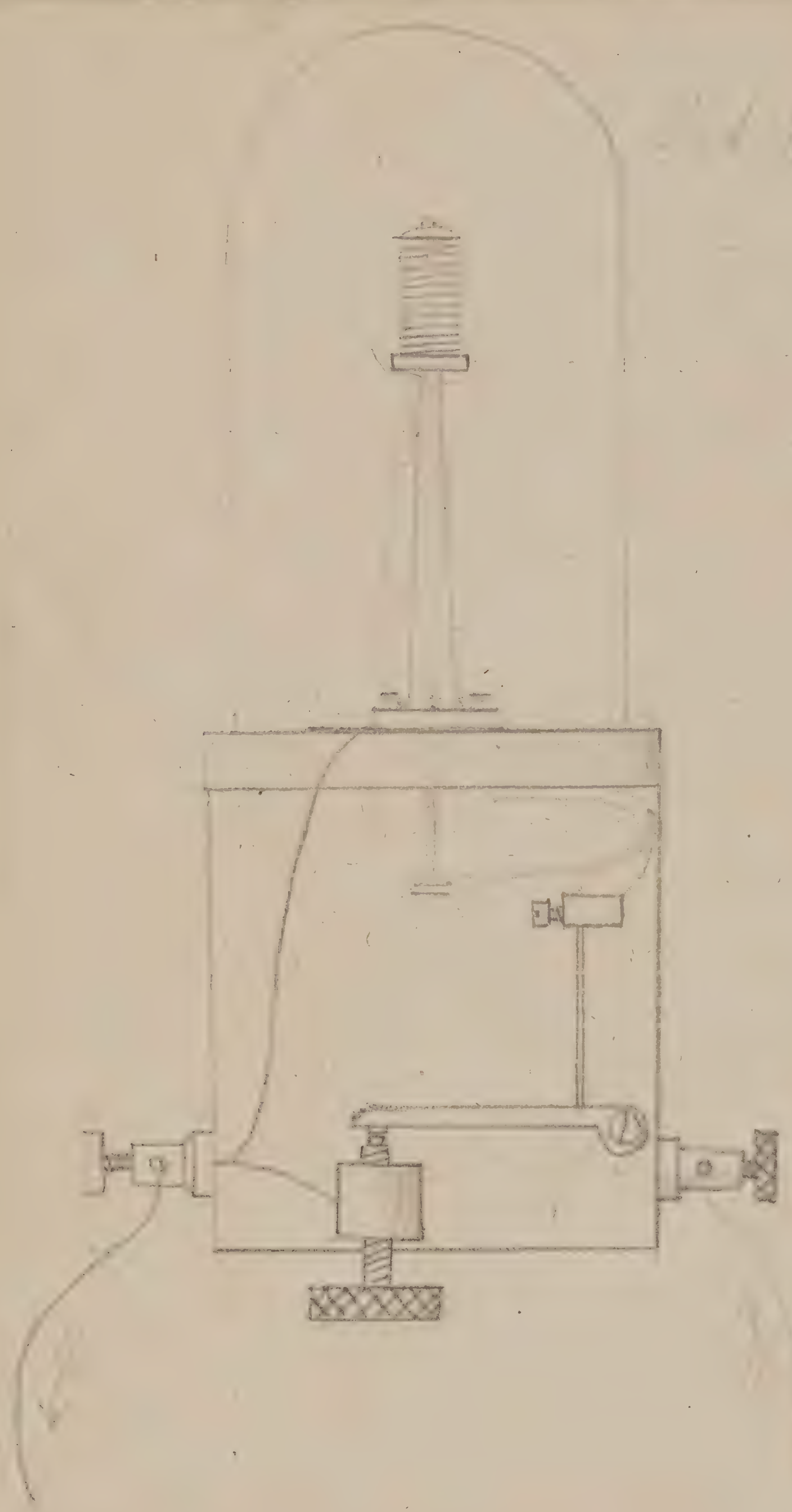


T. A. Edison

The tanks may be filled with a coill of wire with a certin recistence that will heaten witch will cause the air to heaten within and expand also acting on the diafram. The switch can be made to work by Clock movement, witch is releaced by a local battery witch is worked or opened by a contact point witch rests on the diafram. a duble diafram works best one on each tank

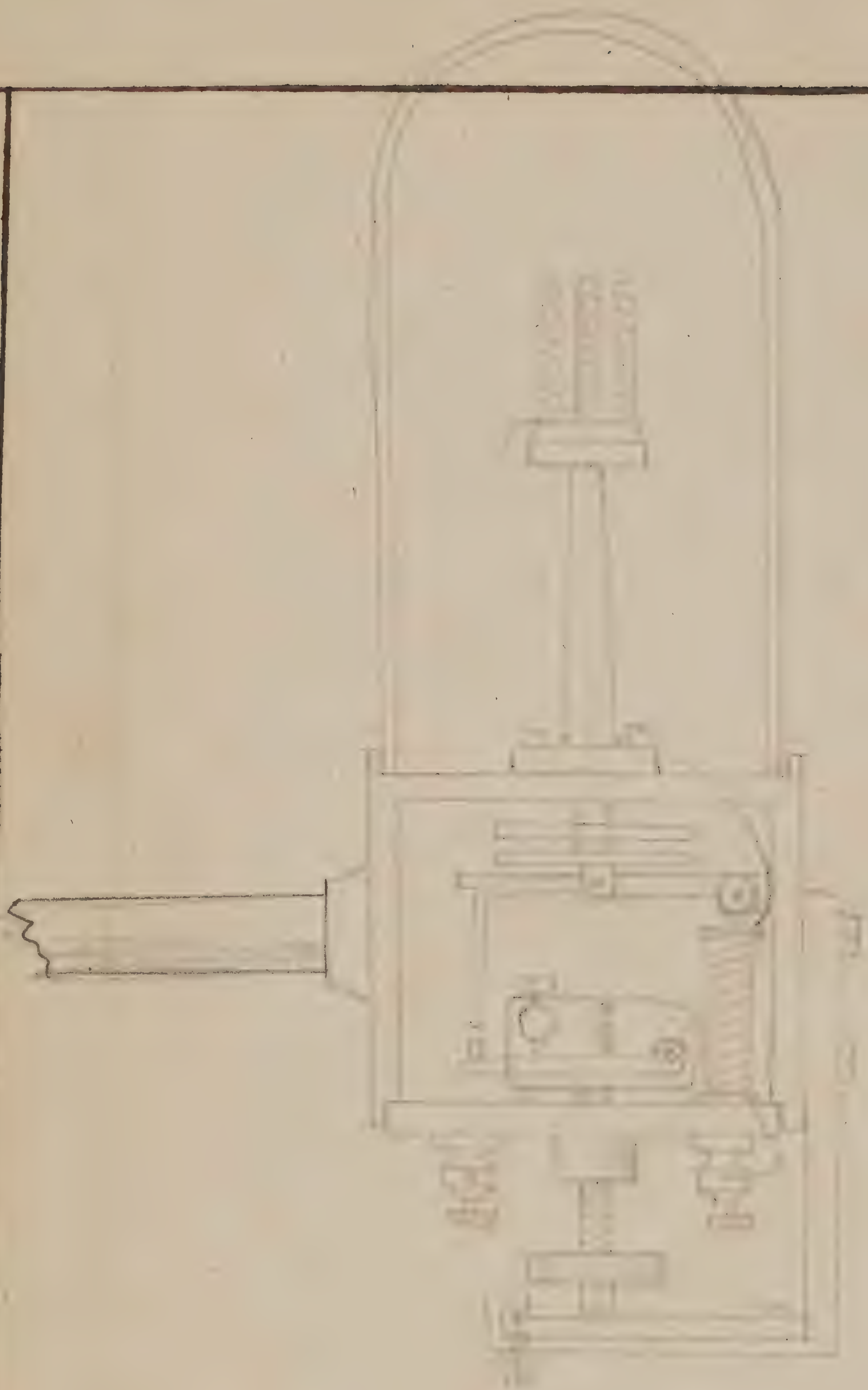
Meater Nov 1878





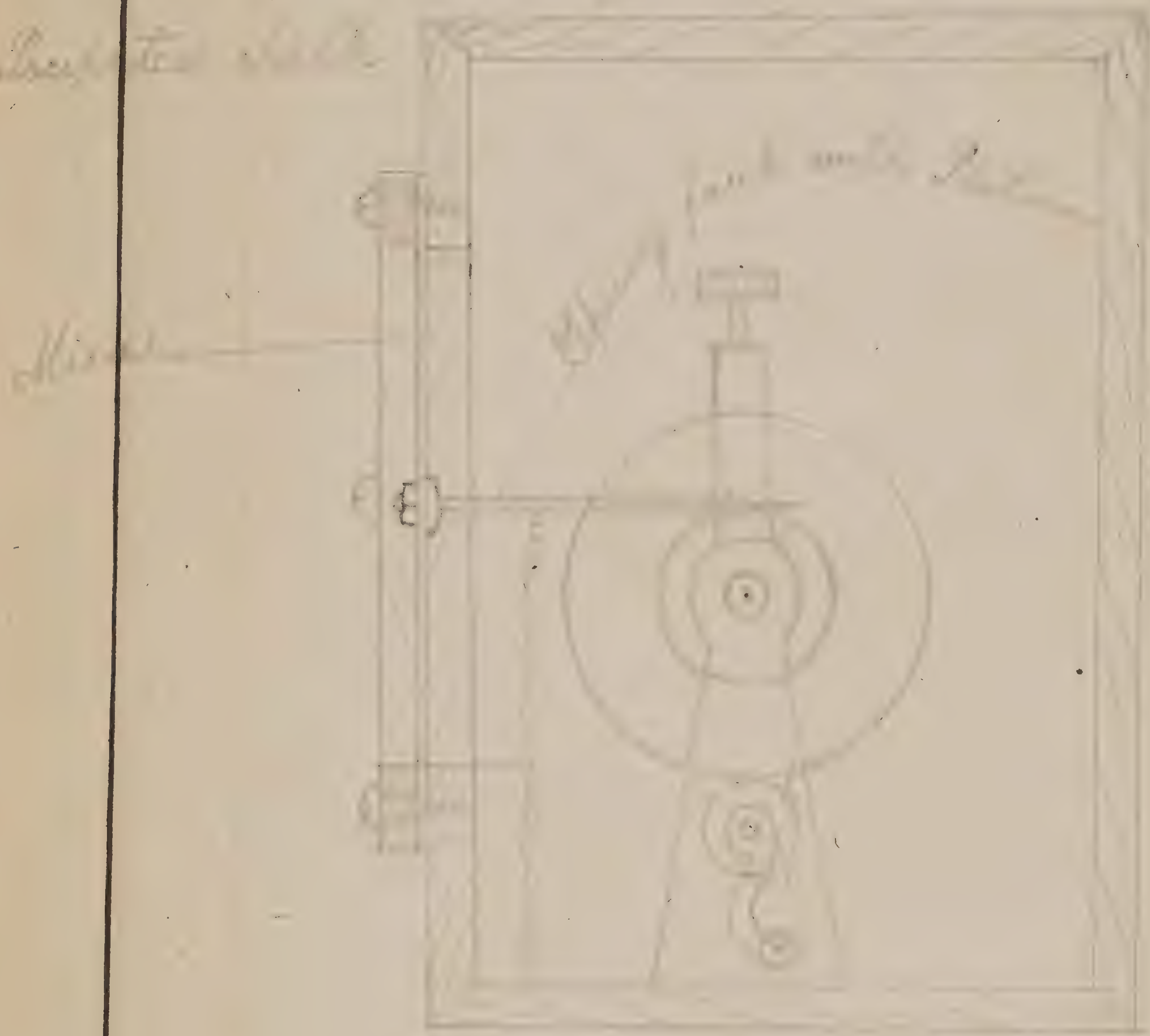






Edisons Electromotograph Telephone

[illegible] 30 [illegible]



P. of Hughes Microphone

Pine Wood

Carbon
Carbon
Carbon

Edisons Microphone



Oxigen Hydrogen Light



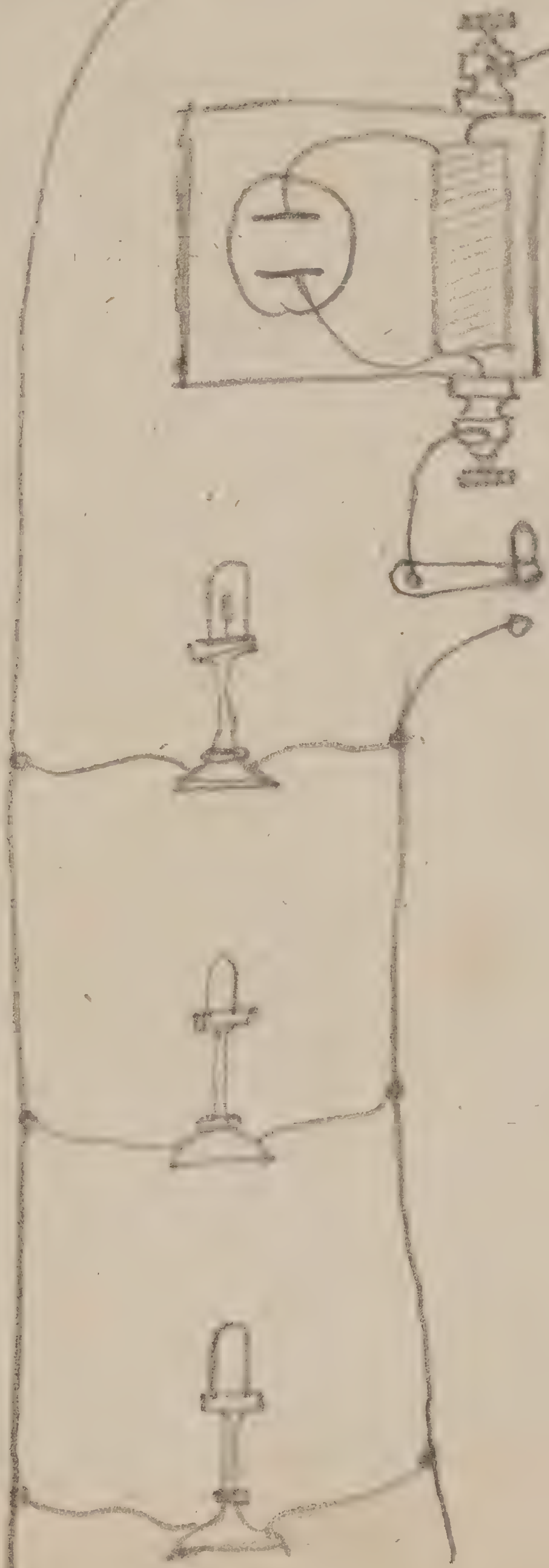
Using Licon instead of Lime with lasts acording to Prof Drapers statement, six months and shows no efects of condesions

January 30. 1879

T A Edison

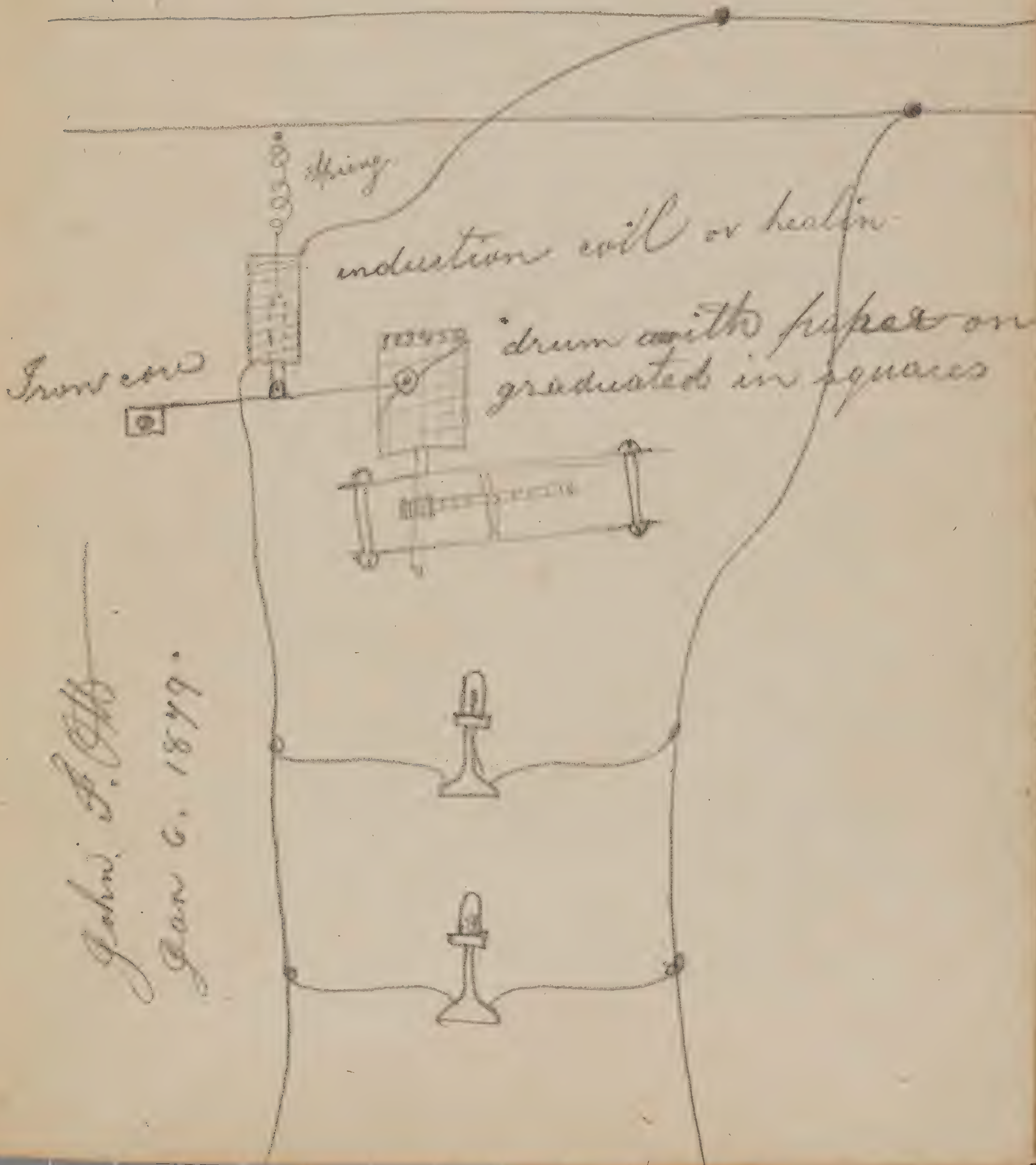
the amount of curent is
cargulated by the deposit on the
plate in the coper solution
or in othe words the curent is
carculated by the deposit on the
electrods, copper plates

Electric Meater



T A Edison

Electric Meter



Stethiphane for listening
to the pulpations of the hart
lungs, and other female deceises
especialy in child births often
saving the life of the Mother
instead cuting for a tumor
when there is confinement.

In high feavors this would
record verry corect and enable
the Fecion to determon verry
acurate the state of the deceiss



Stethiphone or Micraphone

John F Ott

January 2, 1879.

John F Ott

January 3 1879



Stethiphone.

The benefit in this generator
is that not more gass is generated
then what is used prevents the
retort from busting

Selfacting Hydgren generator

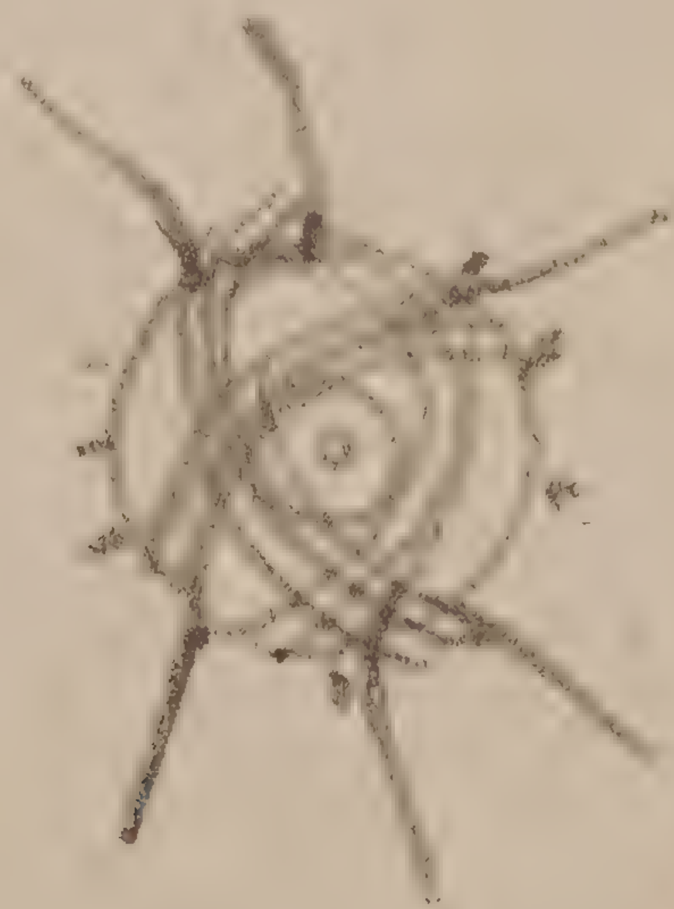


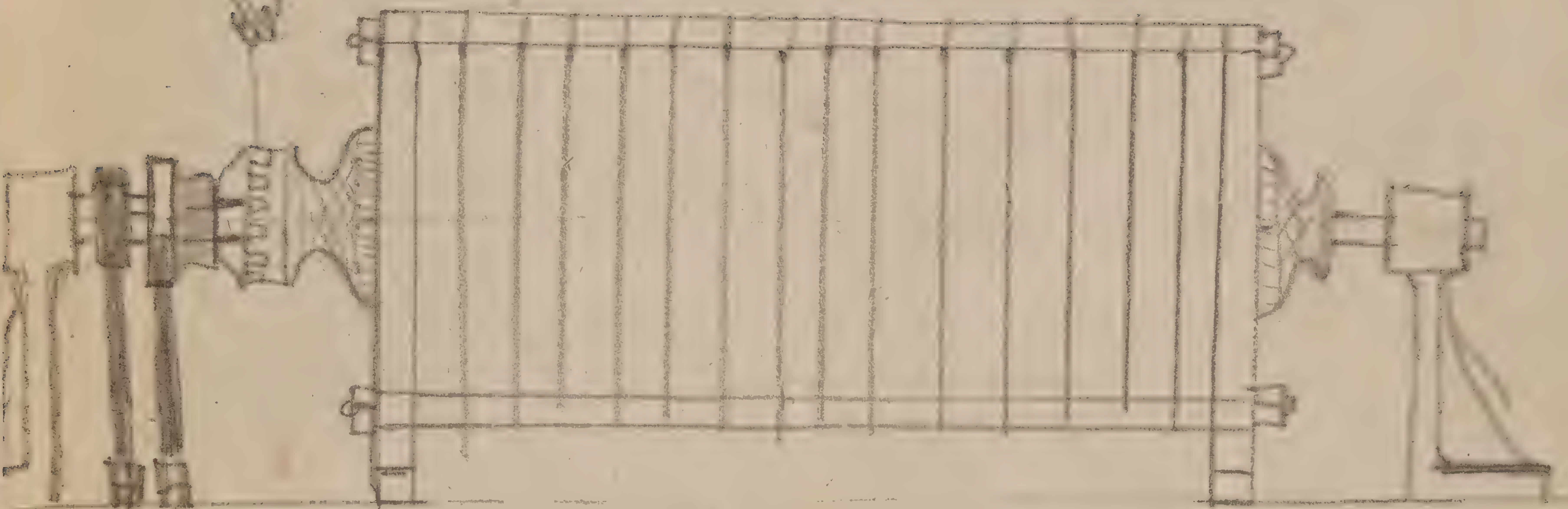
John F Ott

Feb 2, 1879

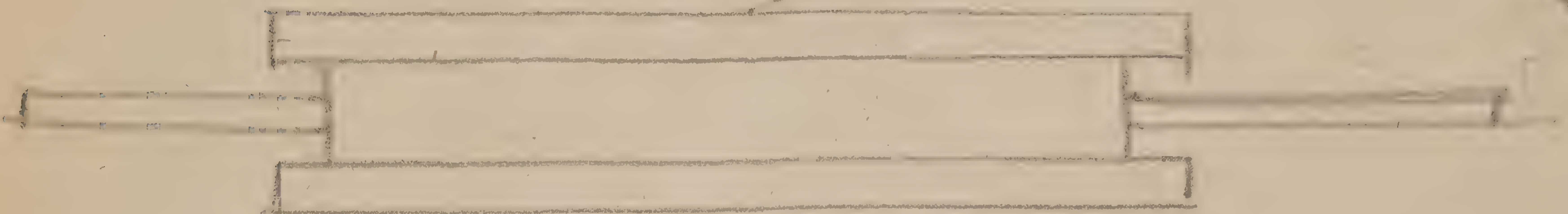
Edisons Electric generator

the comitators are made with 12 spring but the sircle devided into 16 parts having 4 out as shown on diagram the ofriset has 16 which each section is conected to the end of the wire which covers the shell that goes ove the armiture and inside the rings it is wound thus

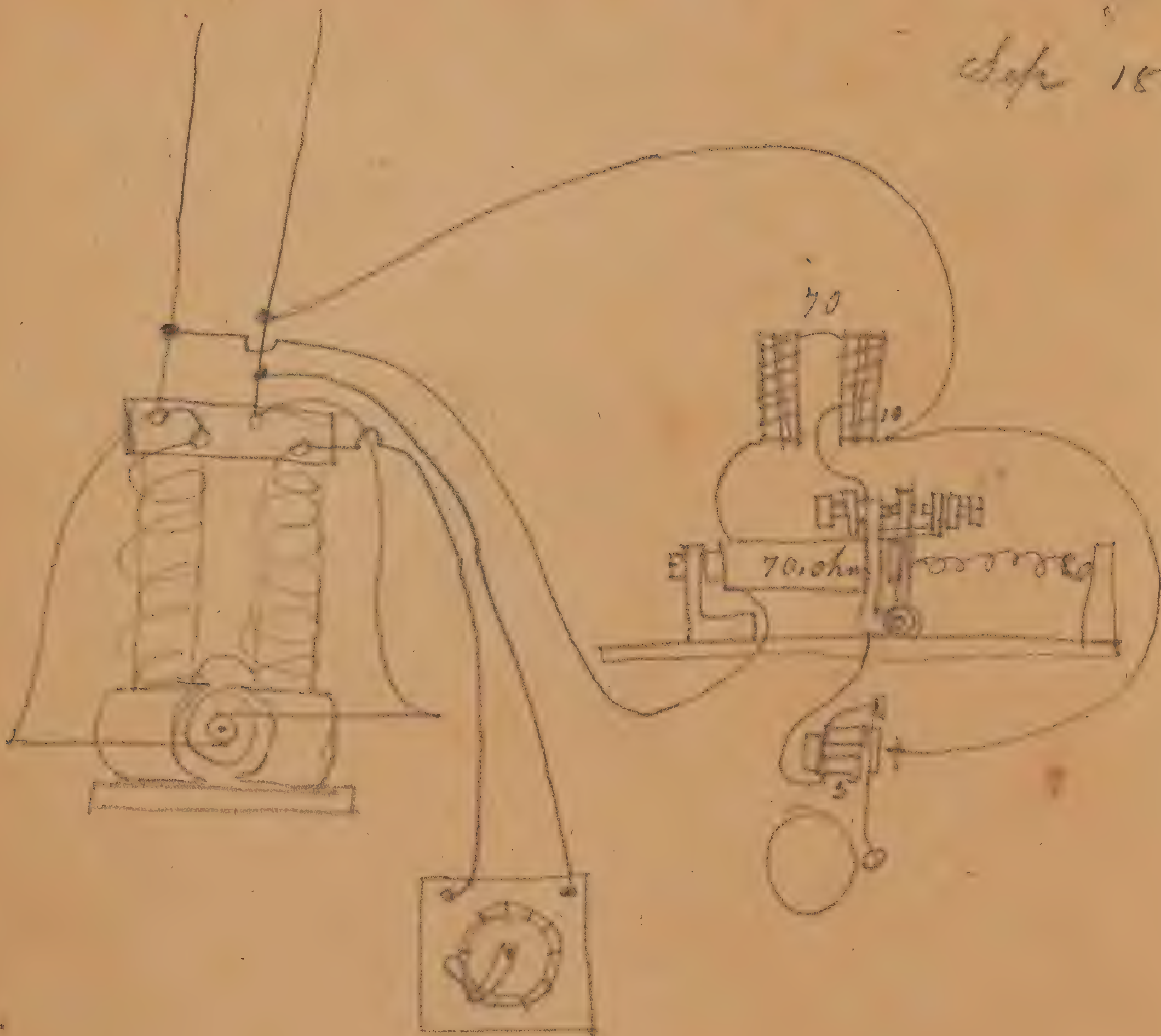



Flat cast Iron rings 1/64 apart
Comitators
Comitator springs
Comitator having 12 spaces and 16 contacts


insulator


Armiture
Armiture

Sep 1881

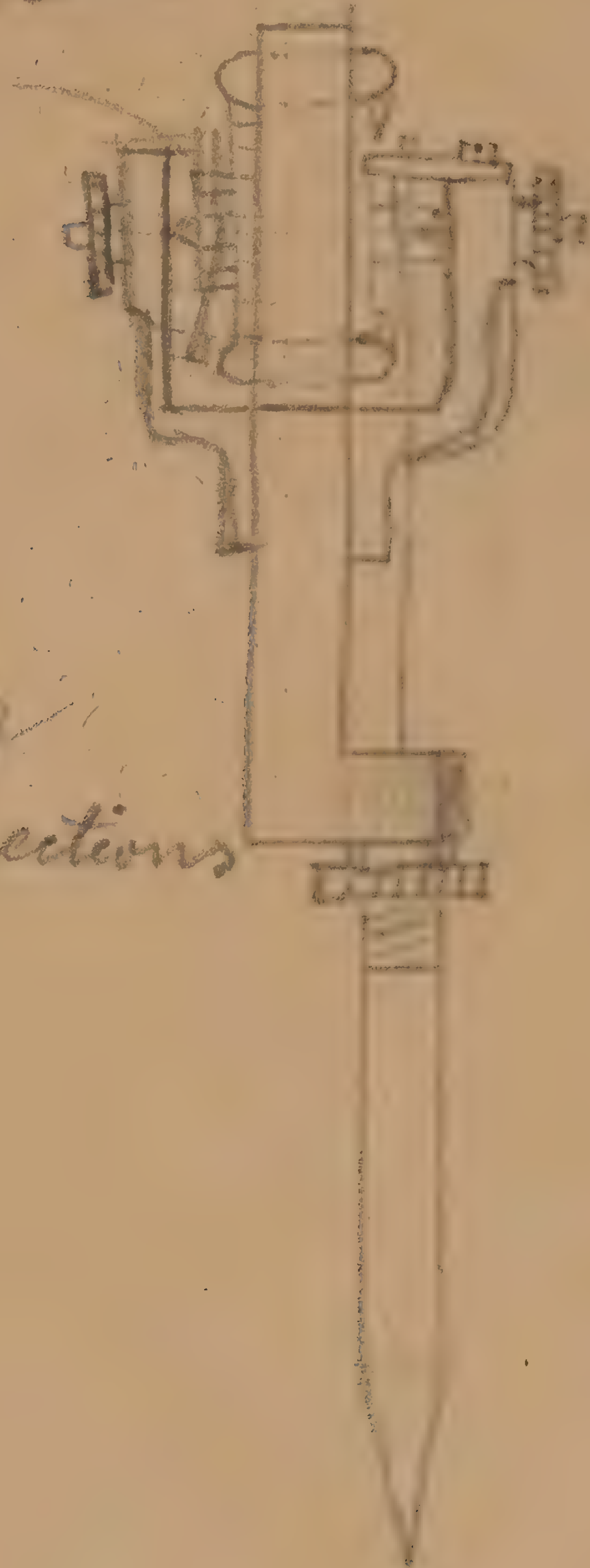


Pressure Indicator

Electric Pen on the gram principle by T A Edison

Commutator

3 brakes



the ring being wound in 12 sections

The currents are taken of the
Main Line through an induction
coil to the various lamps, having
an induced current while in use,
and being conected with tank No 1.
and 2 as shown in plan. Current
running throug tank 1 witch having
two matalic plates inserted and filled
with cemicall solution thats forms a
gass, presses the diafram up and tilts
Lever to shake 4 sends curent through
No 2, No 2 acting the same both.
The Lever being so aranged that when
being tilted 3/4 its distance the spring
will drop in the V and throw it
ahead of diafram opening hole in the
center alowing the gasses to escape
also being conected with a register

Main Line

Electric Heater
Invented by
John F Ott

July 23 1880

3 4

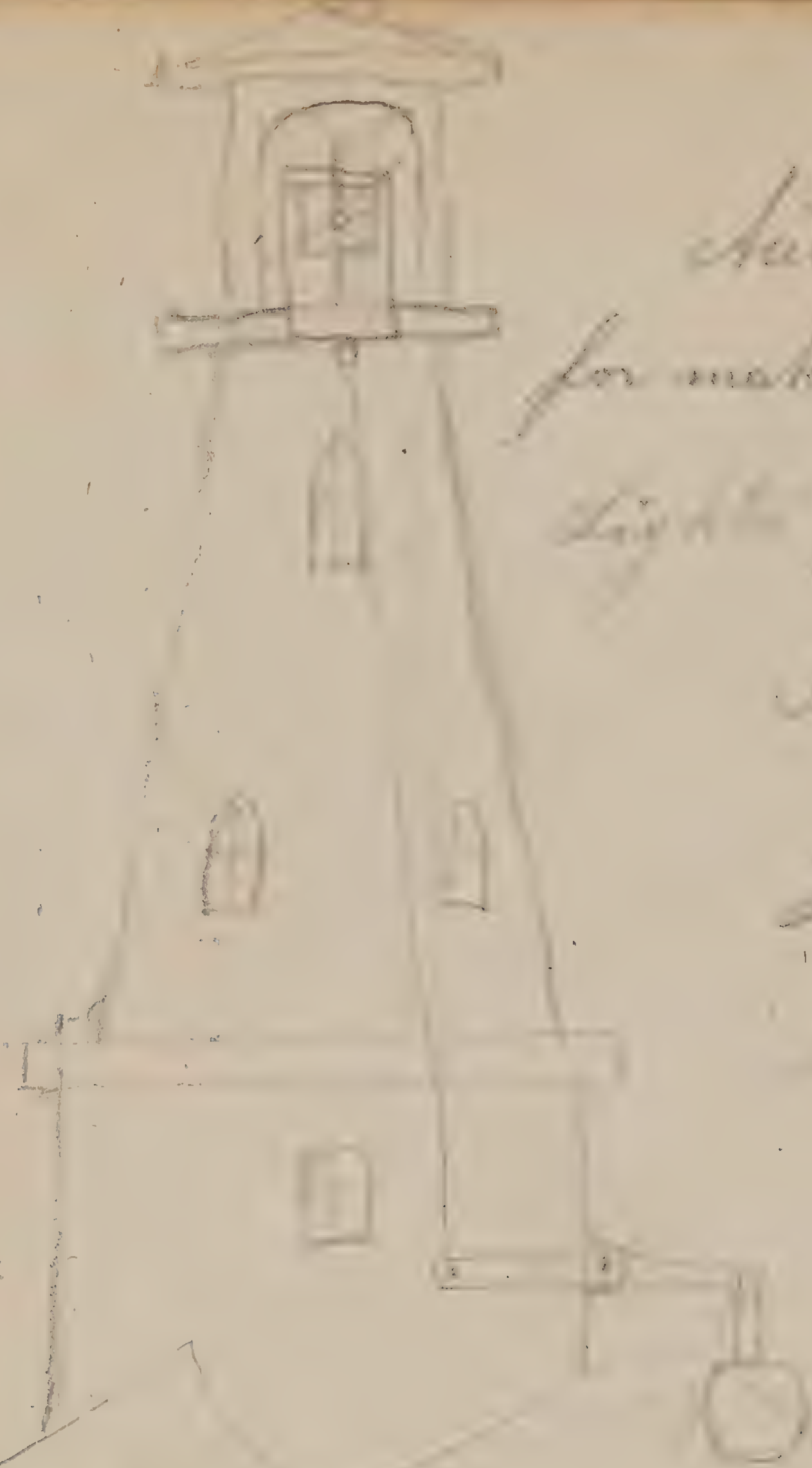
1 2

5

6 motor engine



[illegible] Regulator



Autmatic sistem
for making flickering
lights for light houses

Invented by
John F. Ott

July. 21. 1880.

Feb 1882





Automatic System
for compressing air ~~[illegible]~~
to make slide for signal

[illegible]

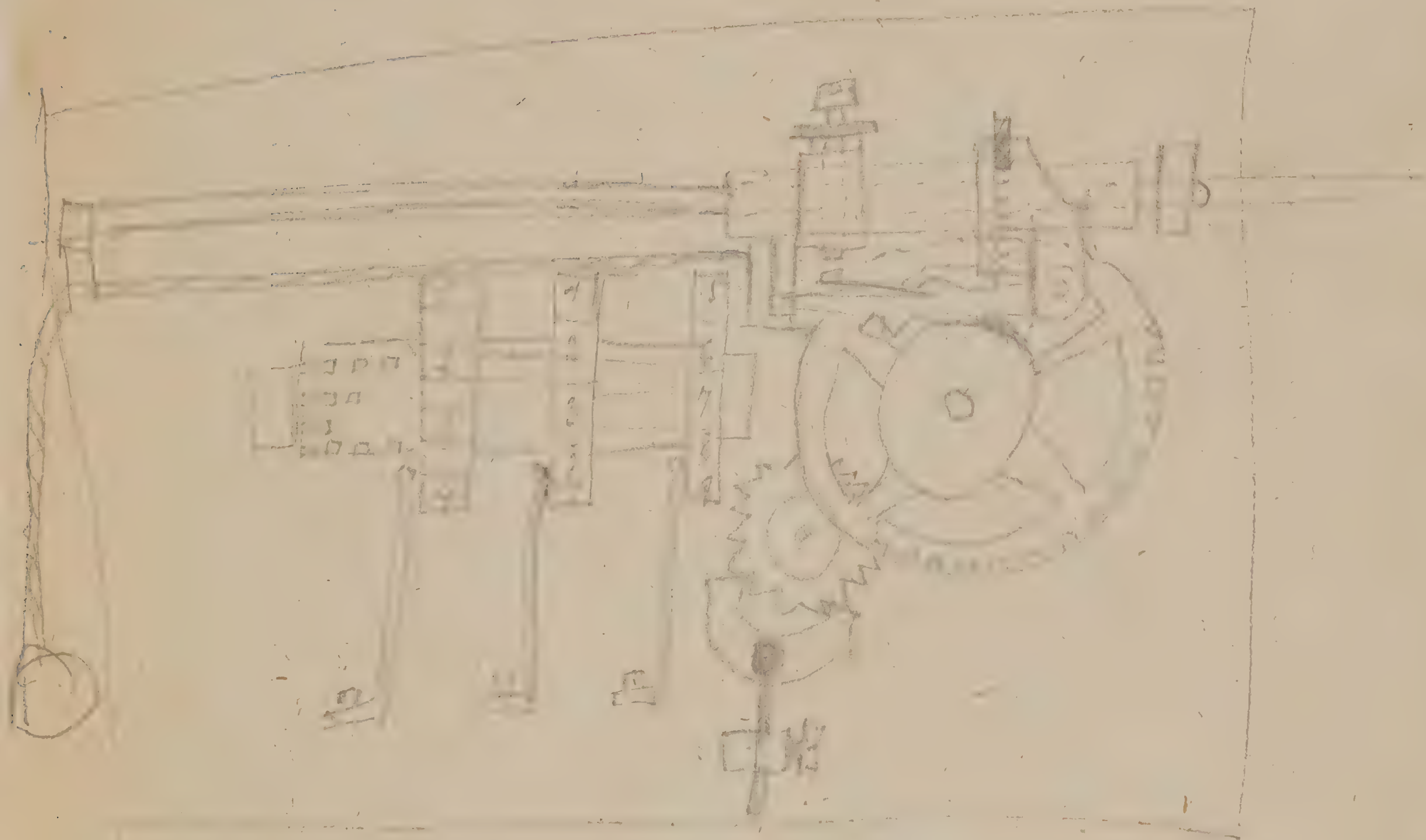
July. 27. 1888.

70. ohms hot

70. ohms hot



Signall box for Domestic uses



District - Telephones. Fire and Police
Systems and Burglar Alarms

[illegible] 5 1880

[illegible]



[illegible]

[illegible]

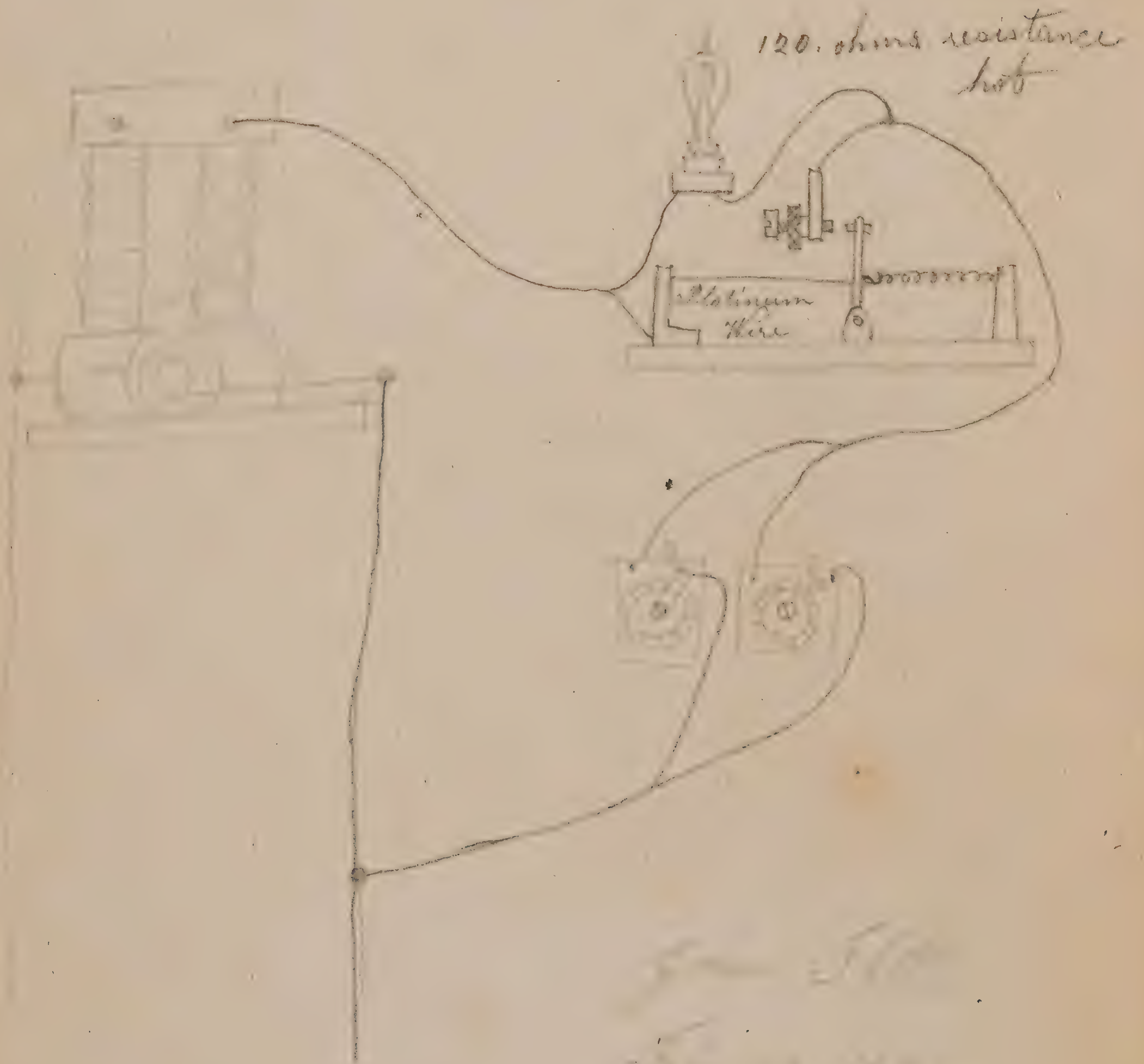
[illegible]



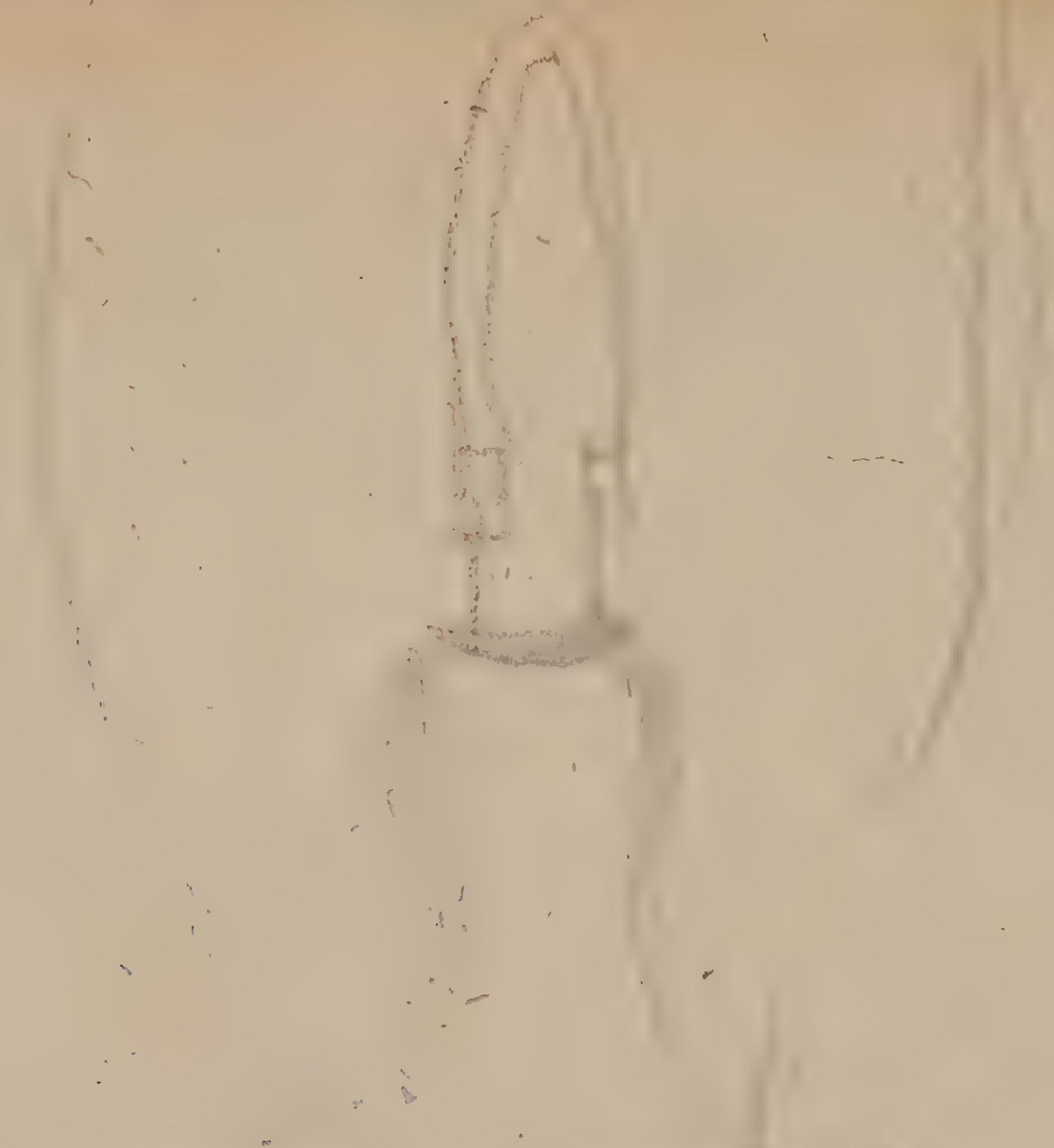
Another flying bird

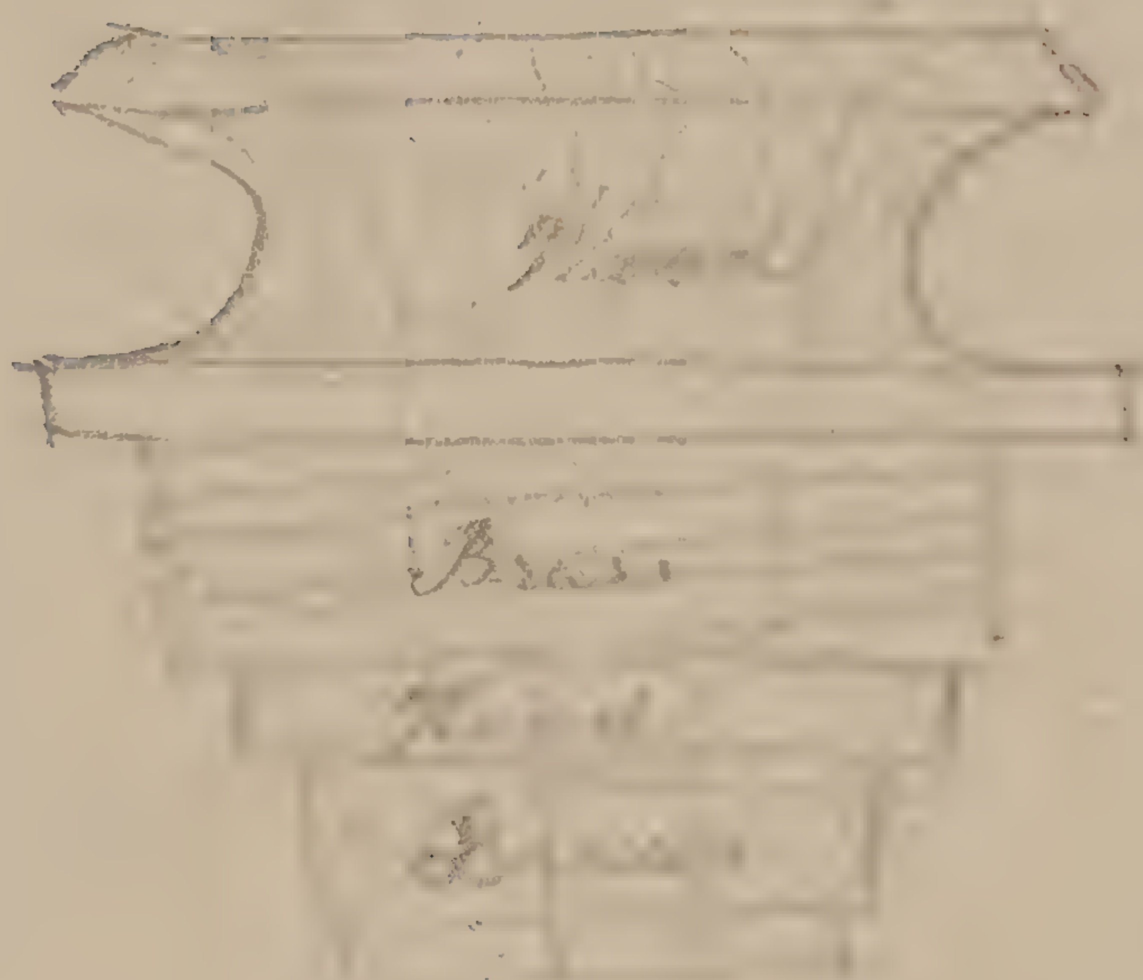
Sep 15 1880

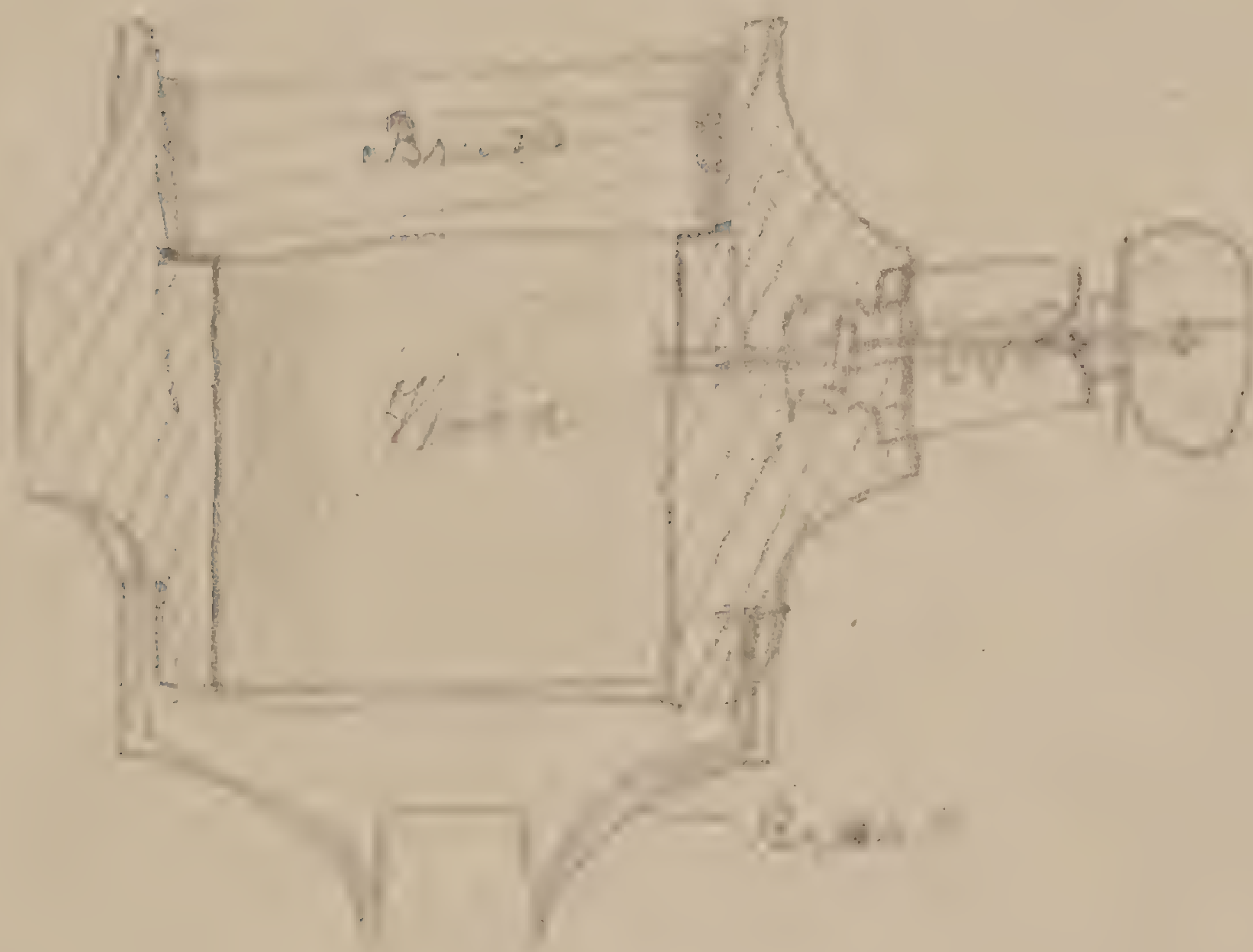
John F. [illegible]


120. ohms resistance
hot
Platinum
Wire

Sept 1881



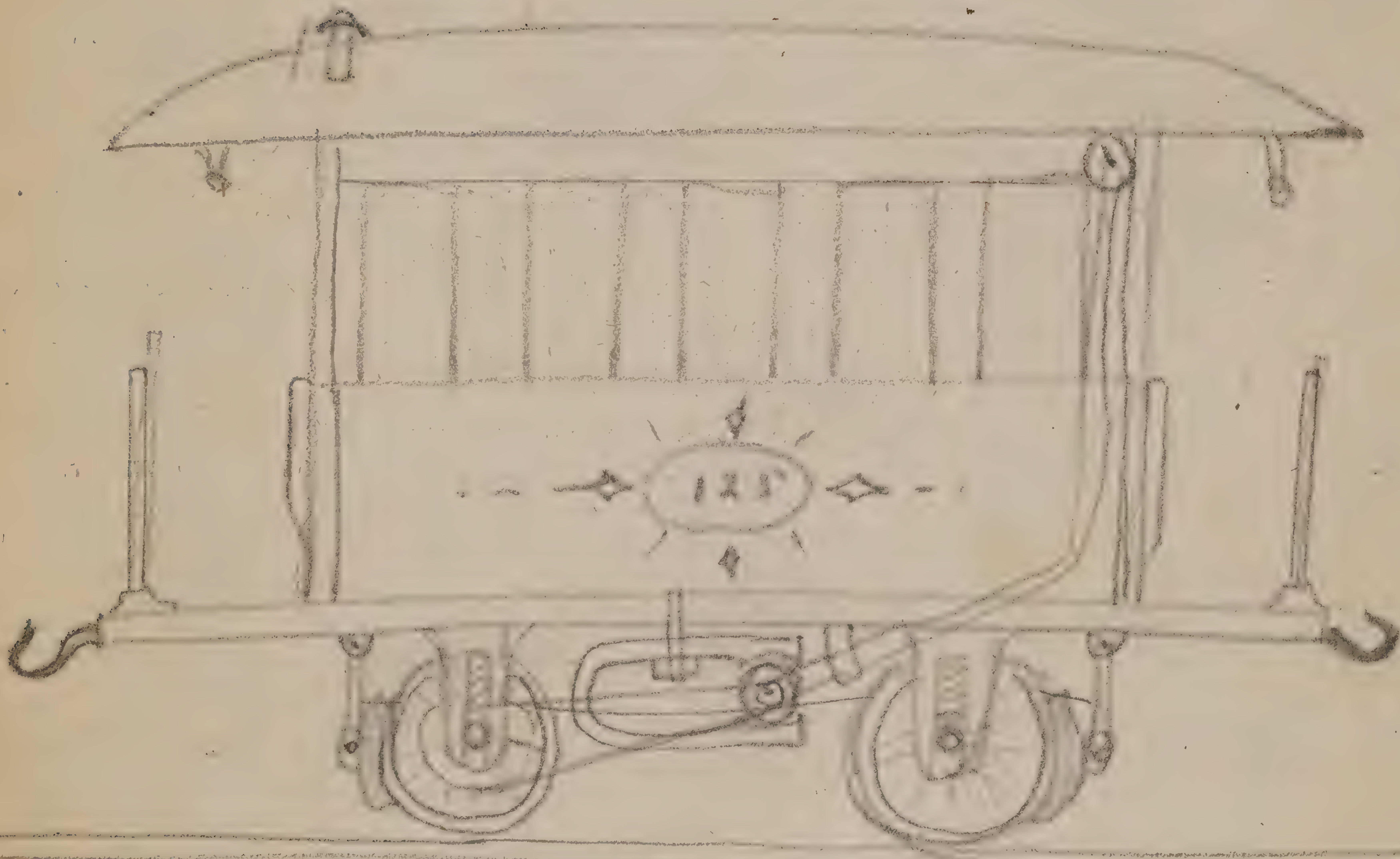




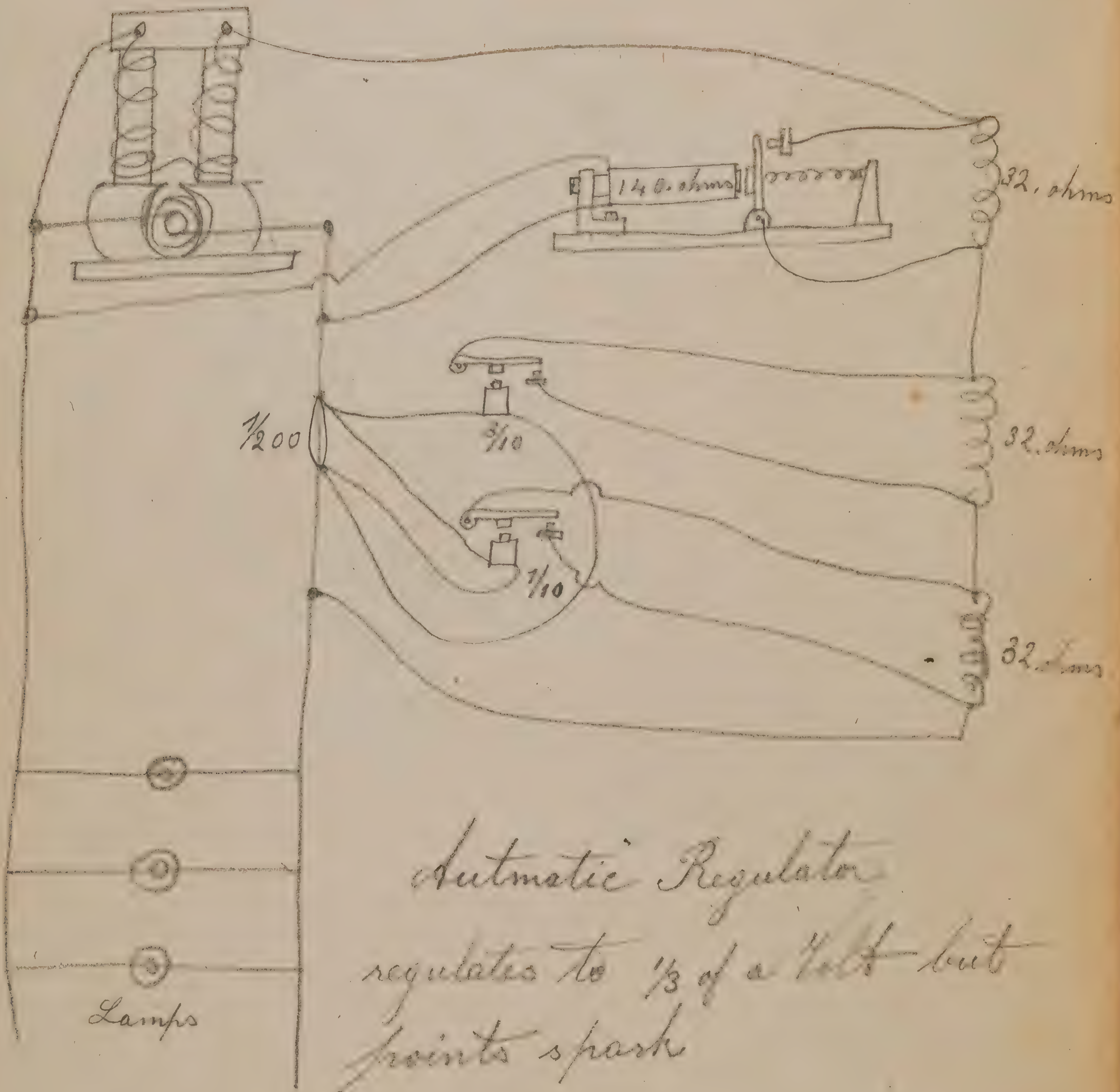
John S. Pitt.

Electric register for registering fares as colected by the conductor, the currents being colected or generated by a magneto. The magneto can be run by a train of gears bing stored up by a spring the spring bing stored up by the action of the Care.

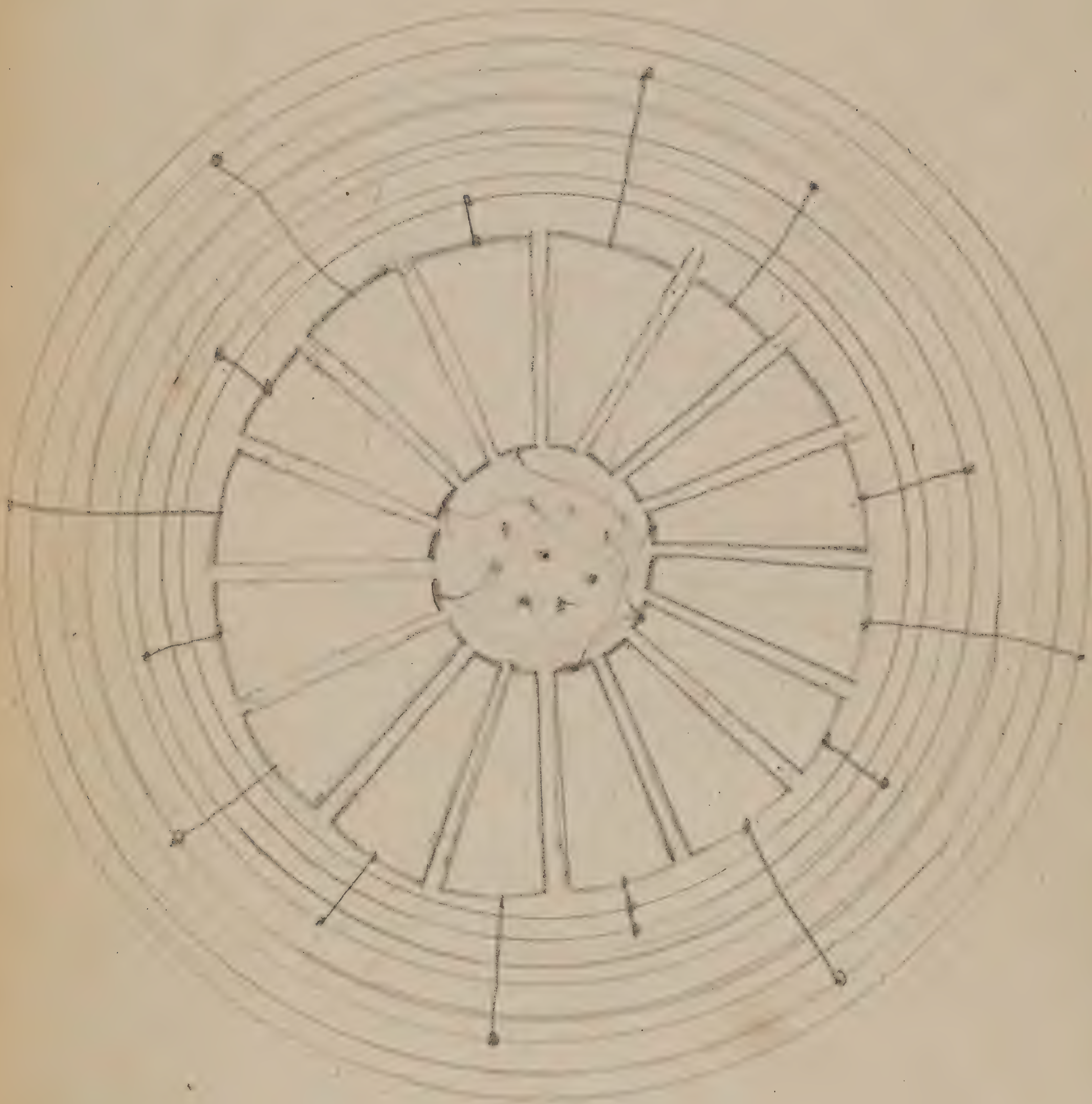
Invented Feb. 2. 1881.



Feb 1882

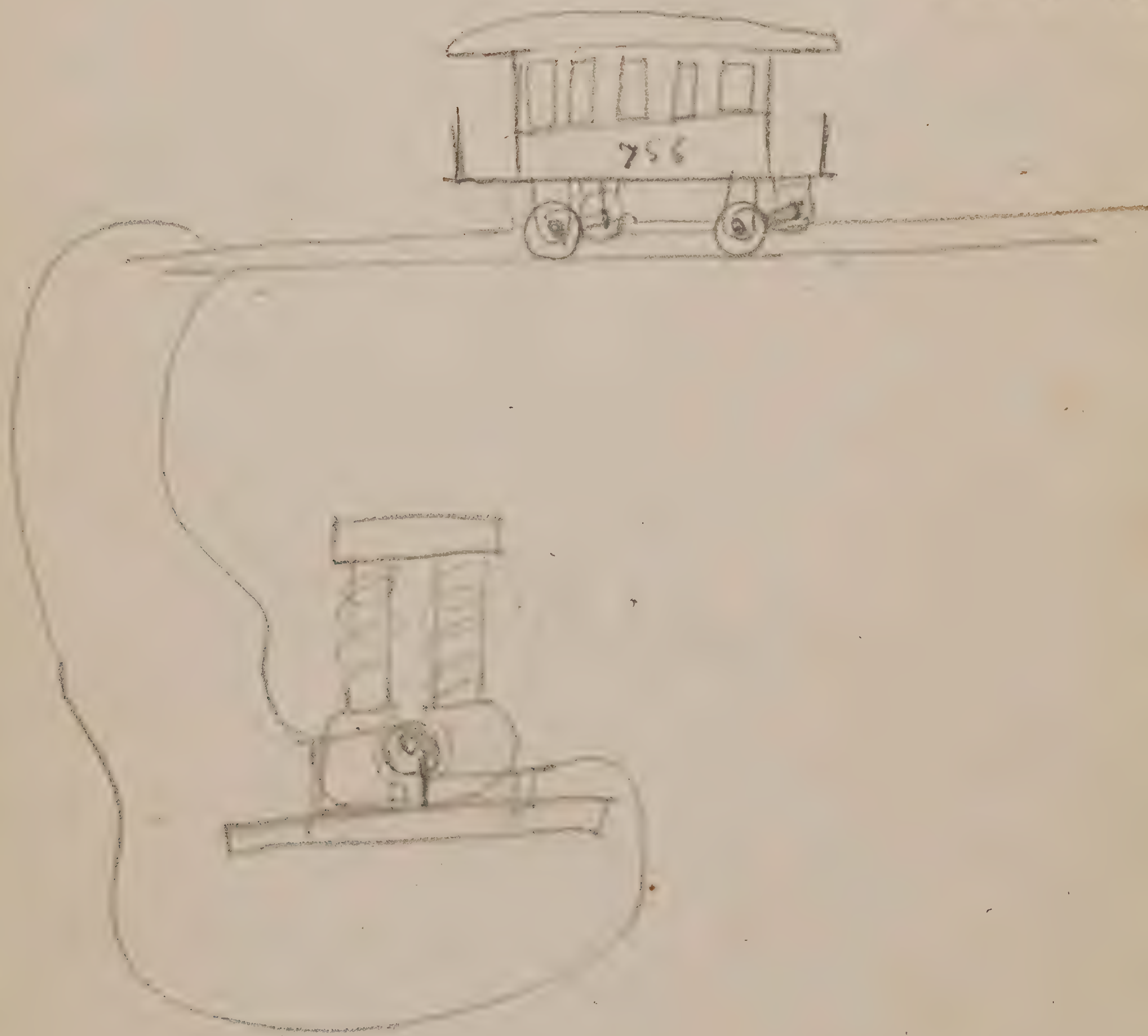


Autmatic Regulator
regulates to 1/3 of a Volt but
points spark



Invented by John F. Ott.

Feb. 7. 1881.



Electric railroad regersting sistem whereby the electrisity can be suplied. the regersting being done by closing the sircut with a keay in the hand of the Conductor. as the passingers pay their fair.

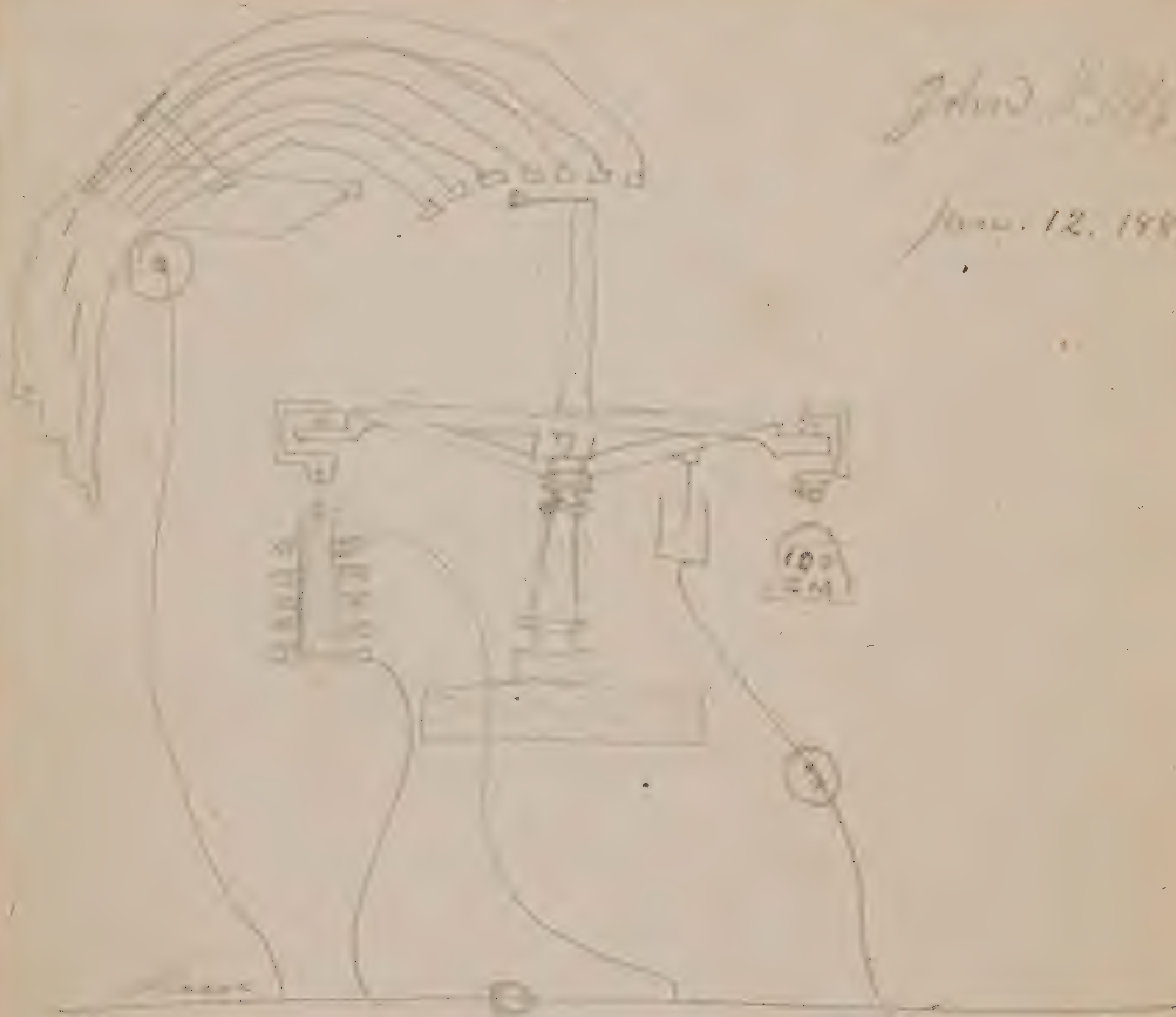
This can be operated with two rails as shown in diagram, or by laying a third rail, and having a fifth wheel or contact brush. by oding the proper required number of resistance in each car eny given number of cars may be worked on one track or line. An Electric regester can also be aplied to indicate the streets or stations to be worked with a keay

in the hands of the conductor or
driver. also to be used in place of
the bell coard now used, giving
asurance that the road and train
being in pirfict condition, also haveing
a sirkit runing through the train in
loop shape, the curent being taken
up in the frunt of the train and run
through the train and back. thene
to a realy keeping it cloased, shoud
the line be interupted between, by the
baking of a car, the realy would
fall back to the back point and shunt
the curent through a call bell.

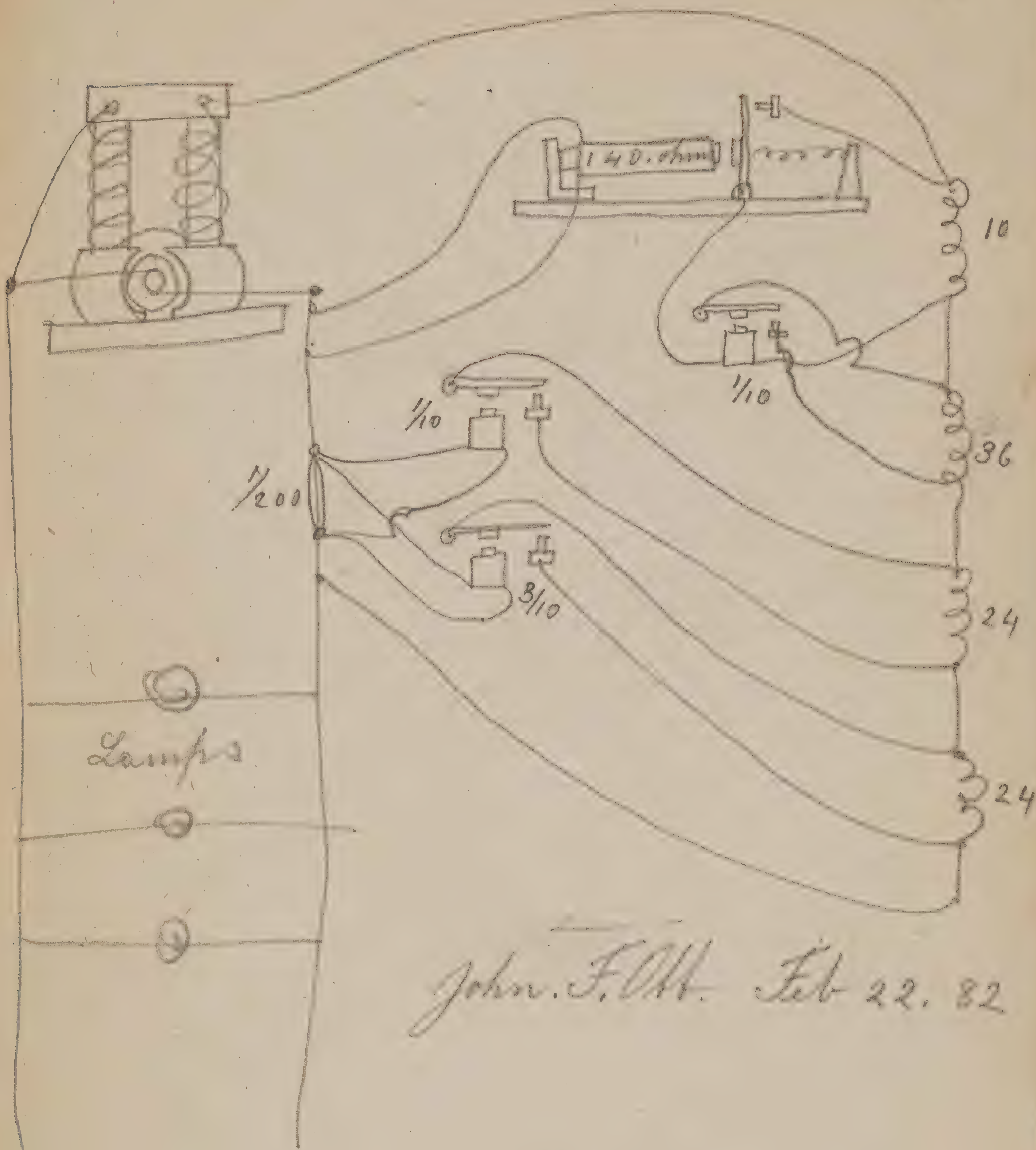
the generator may be used on the
trains witch also may be used for
electric lighting.

[illegible]

Jan. 12, 1881.



Taking a shunt from the main through a coil or relay making a magnet compensator and recording on chemical paper by the same, or an additional [illegible]



John. F. Ott. Feb 22, 82

Jan. 12. 1881,

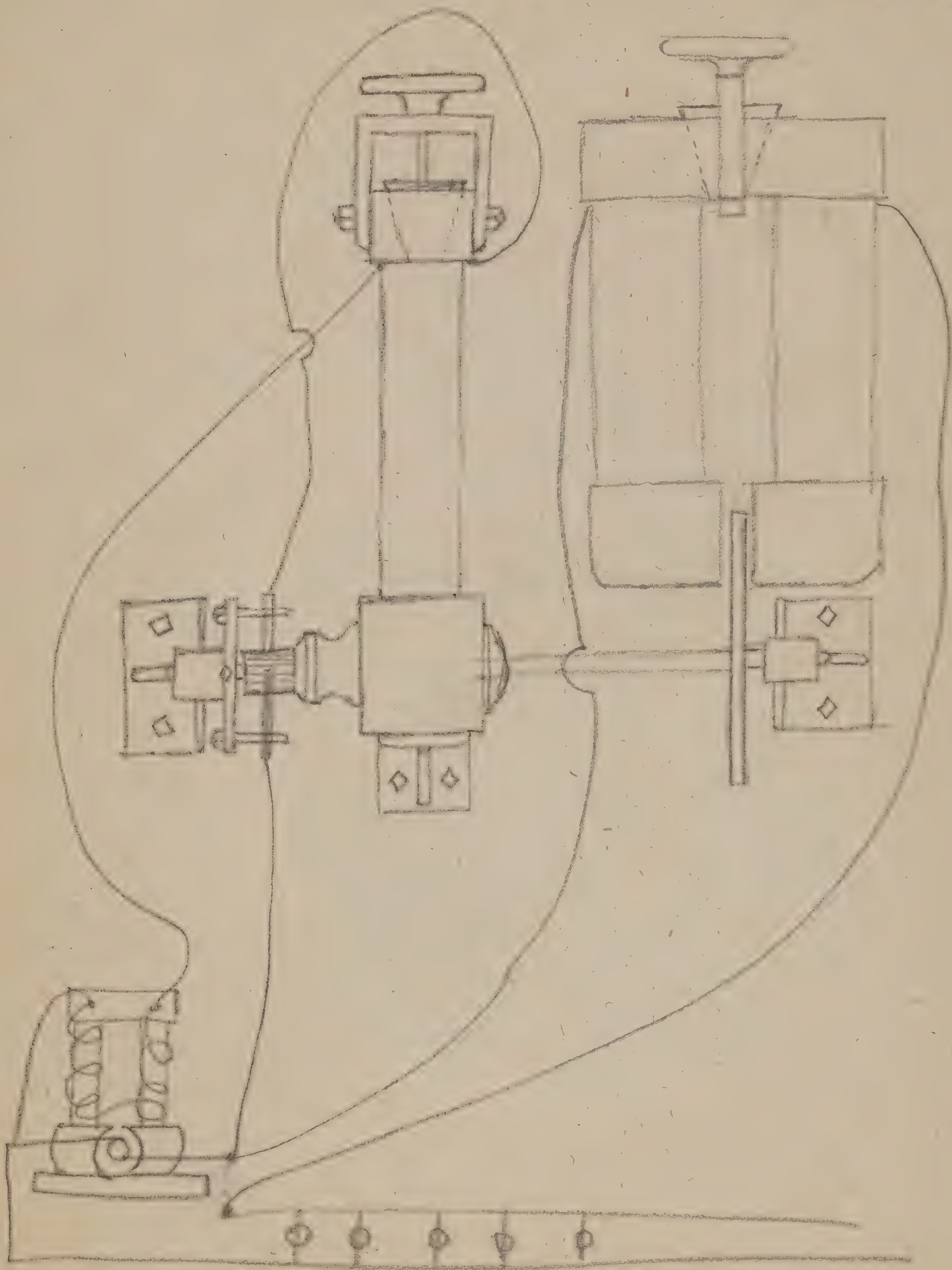
John F Ott



Having an extra pan to compensate for the evaporation in the depositing jar.

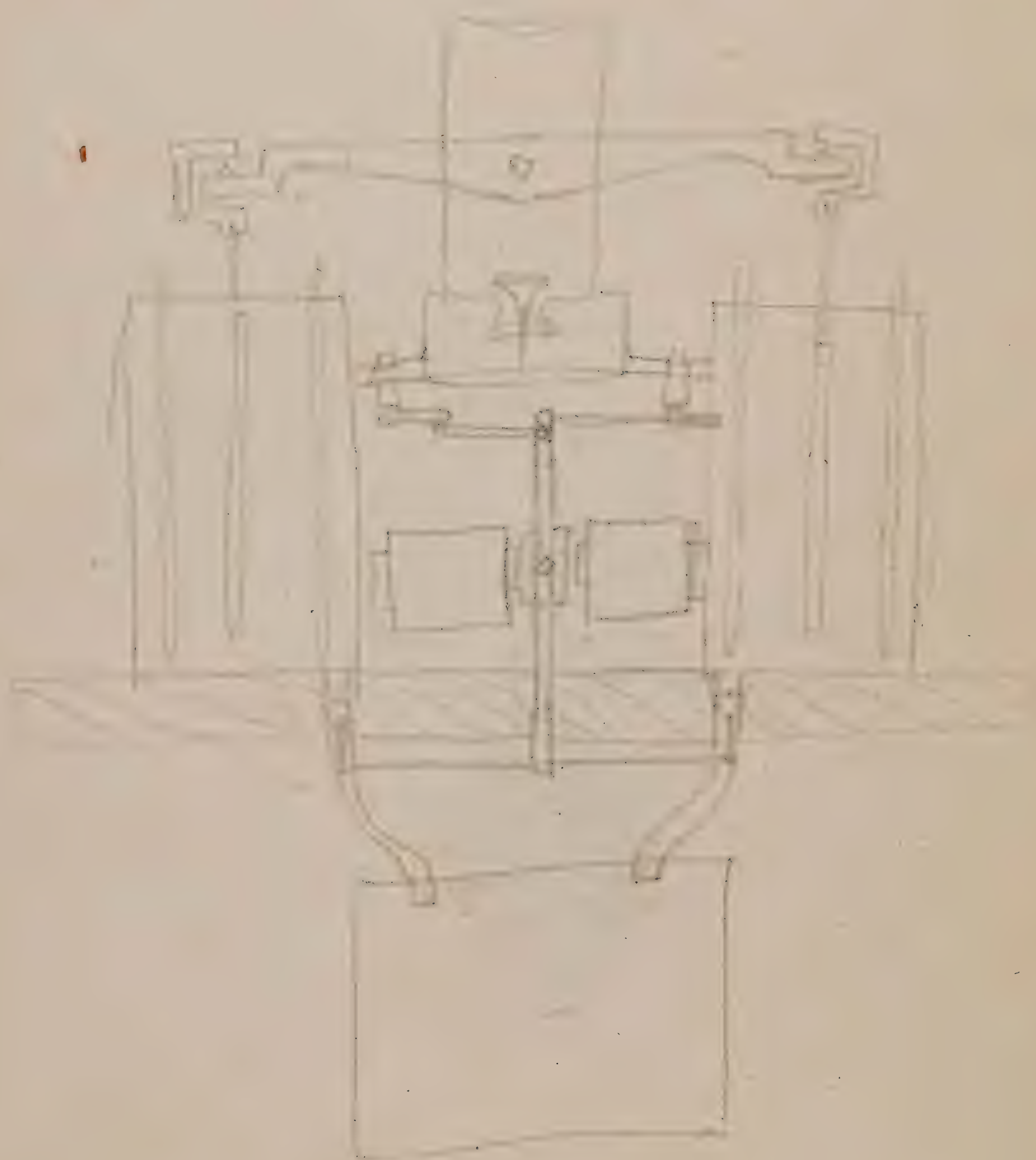
Counter Electromotive force

Feb 1881



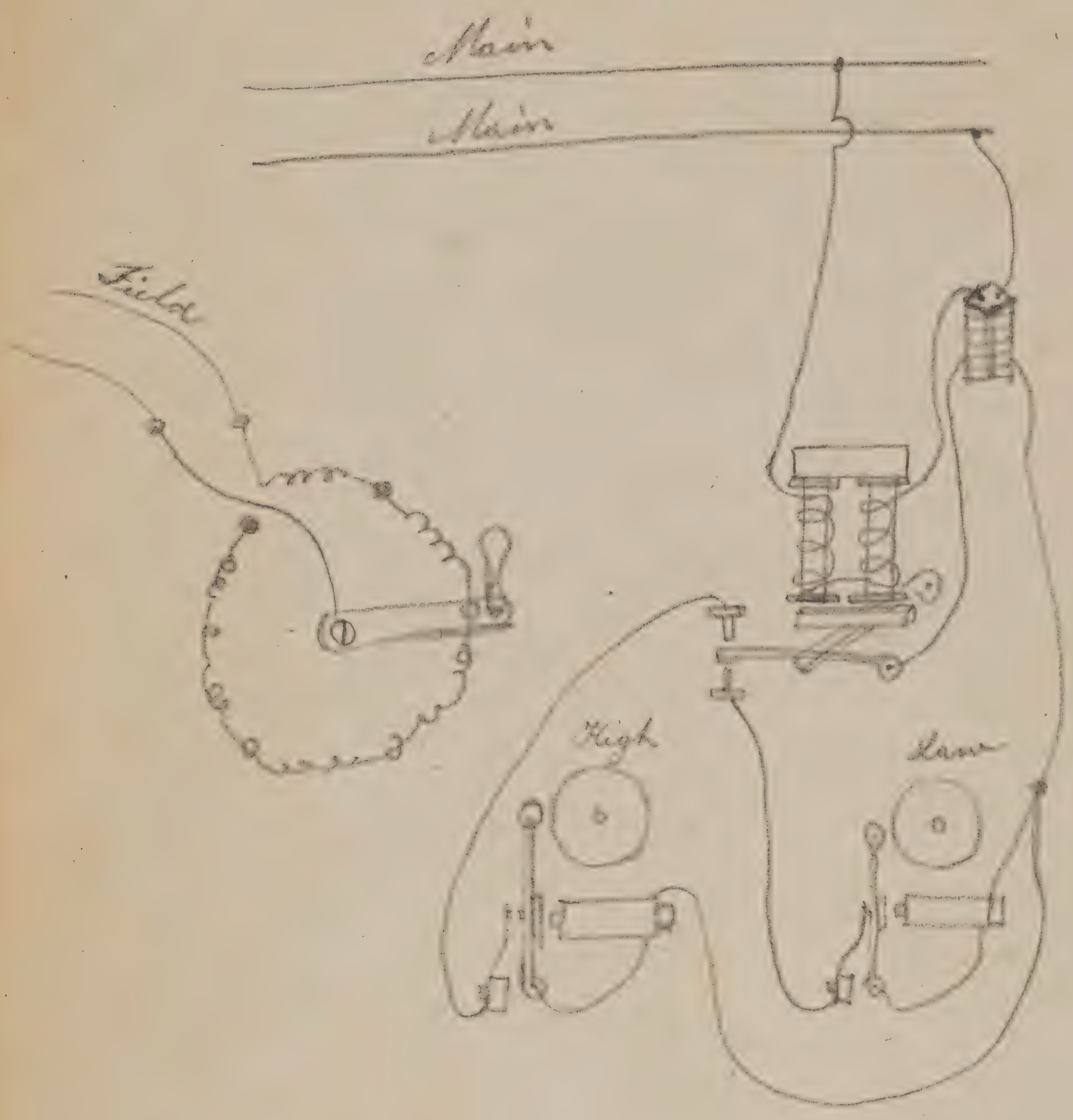
June 12th 1881

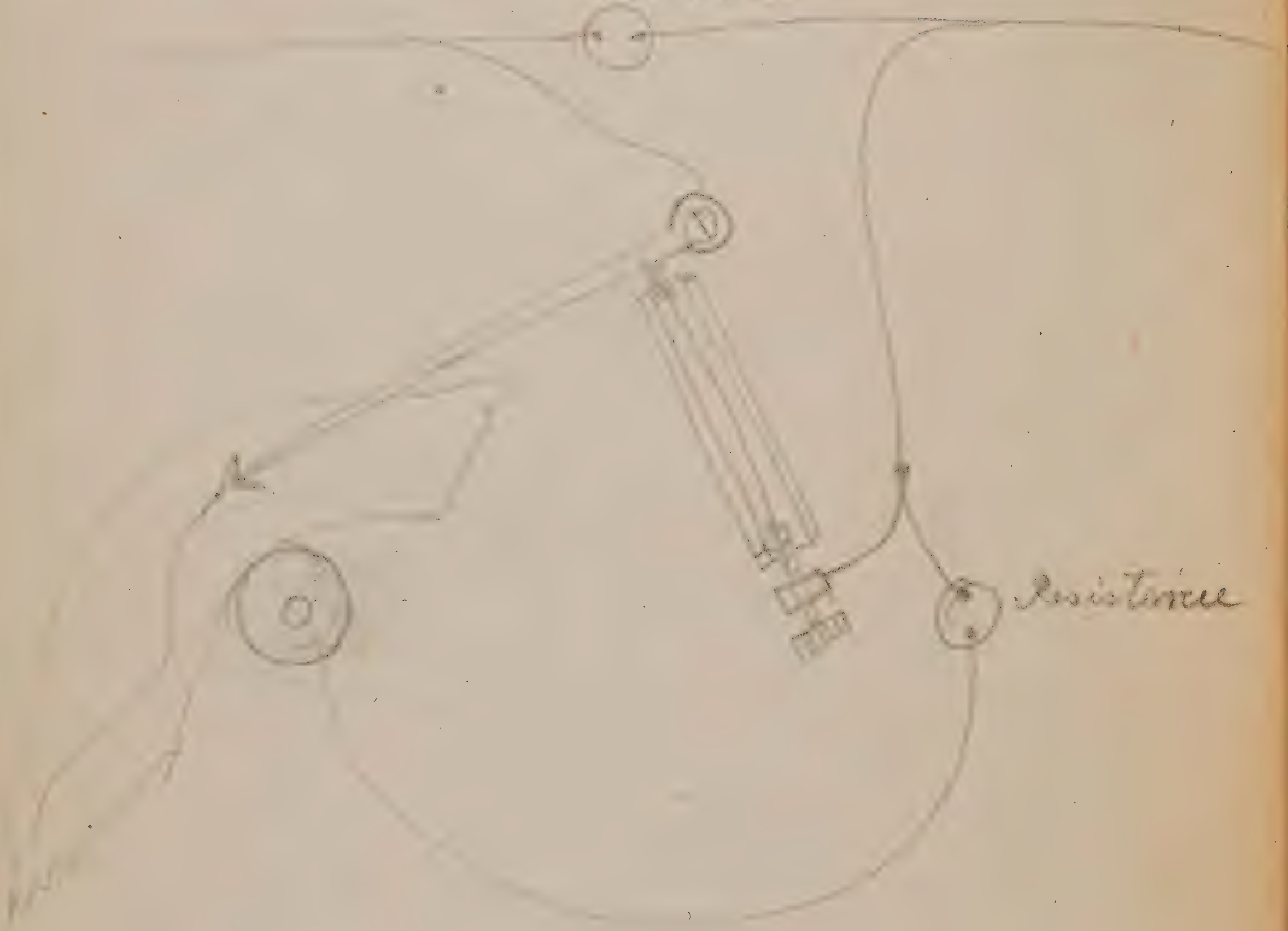
John F. Ott



Pressure Indicator

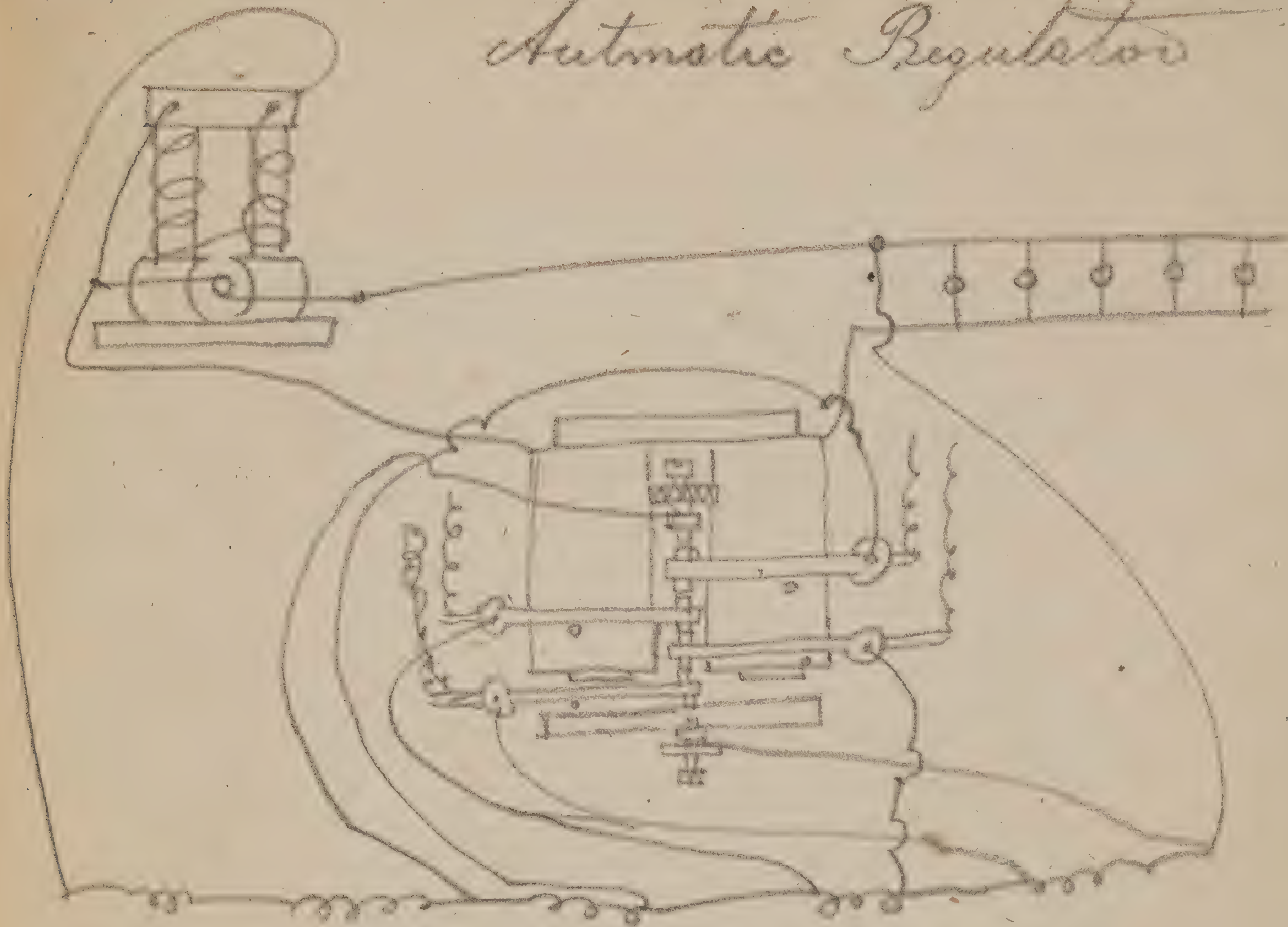
Oct. 1881





Main
Resistance
Resistance

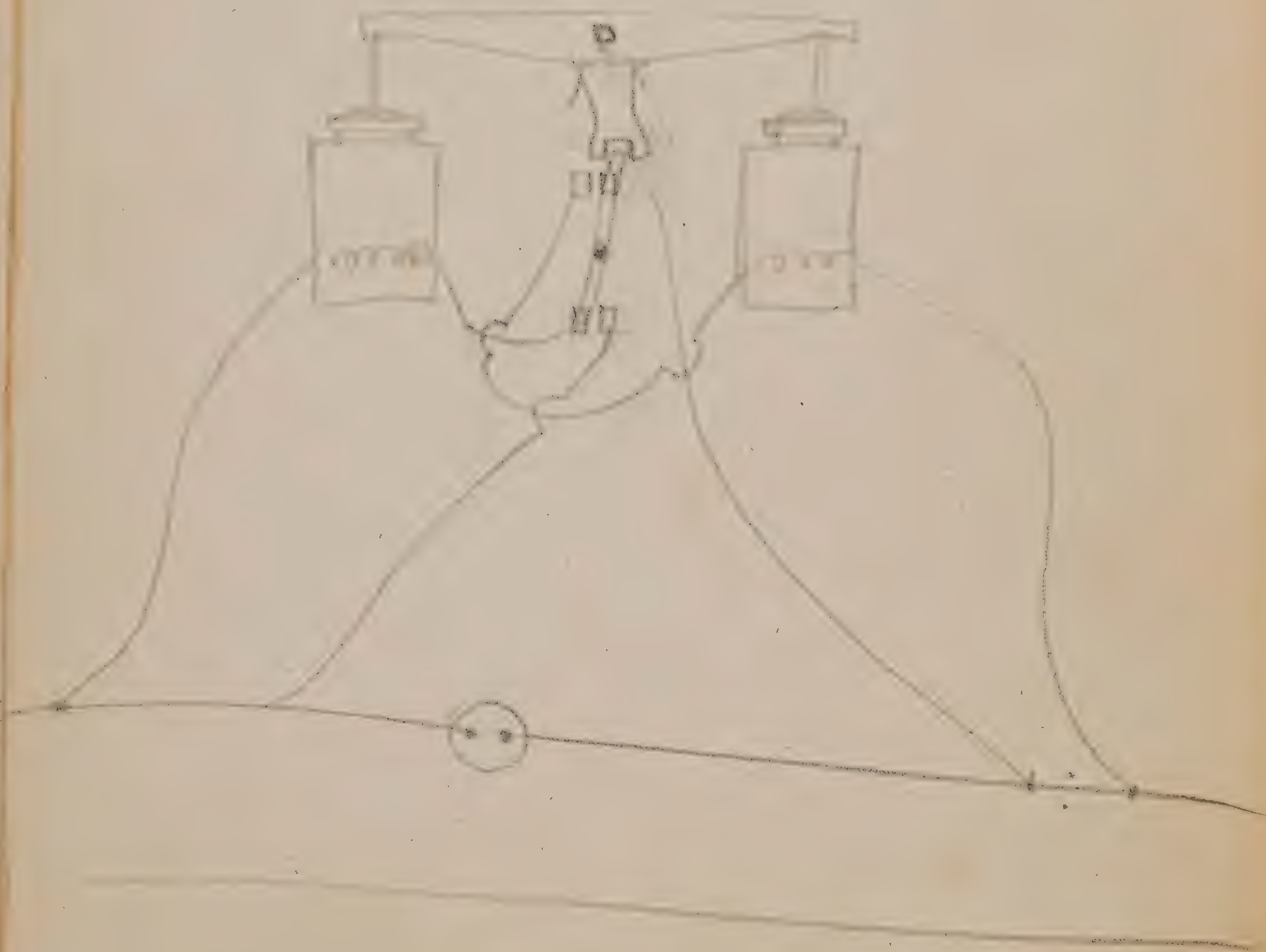
Autmatic Regulator

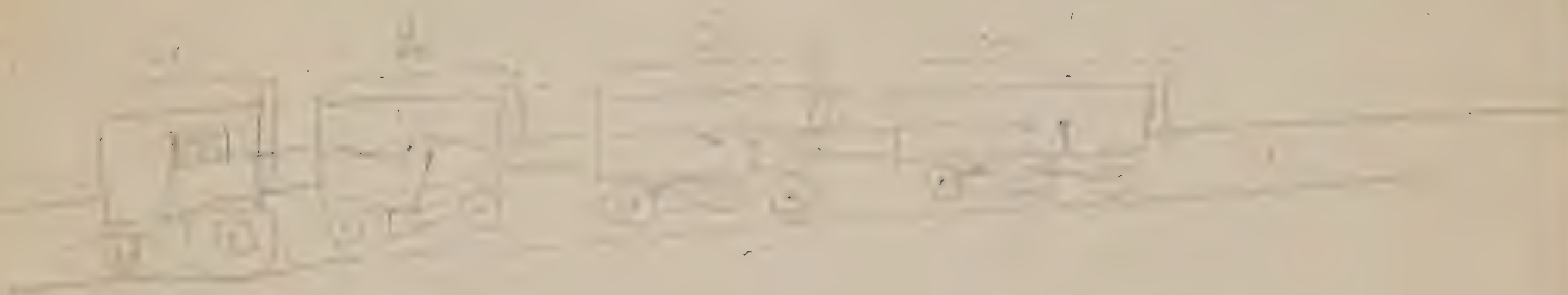


Sep 20. 1881

Jan'y. 12. 1881.

John F Ott

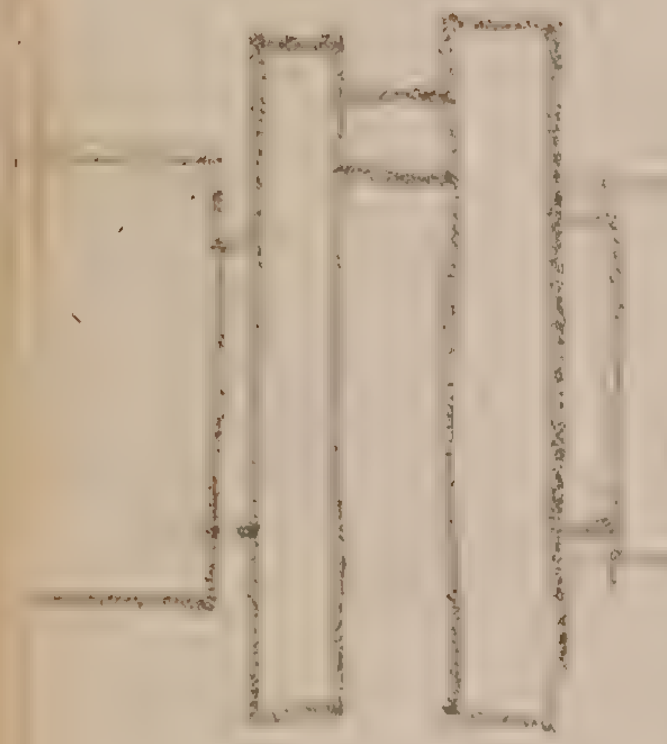




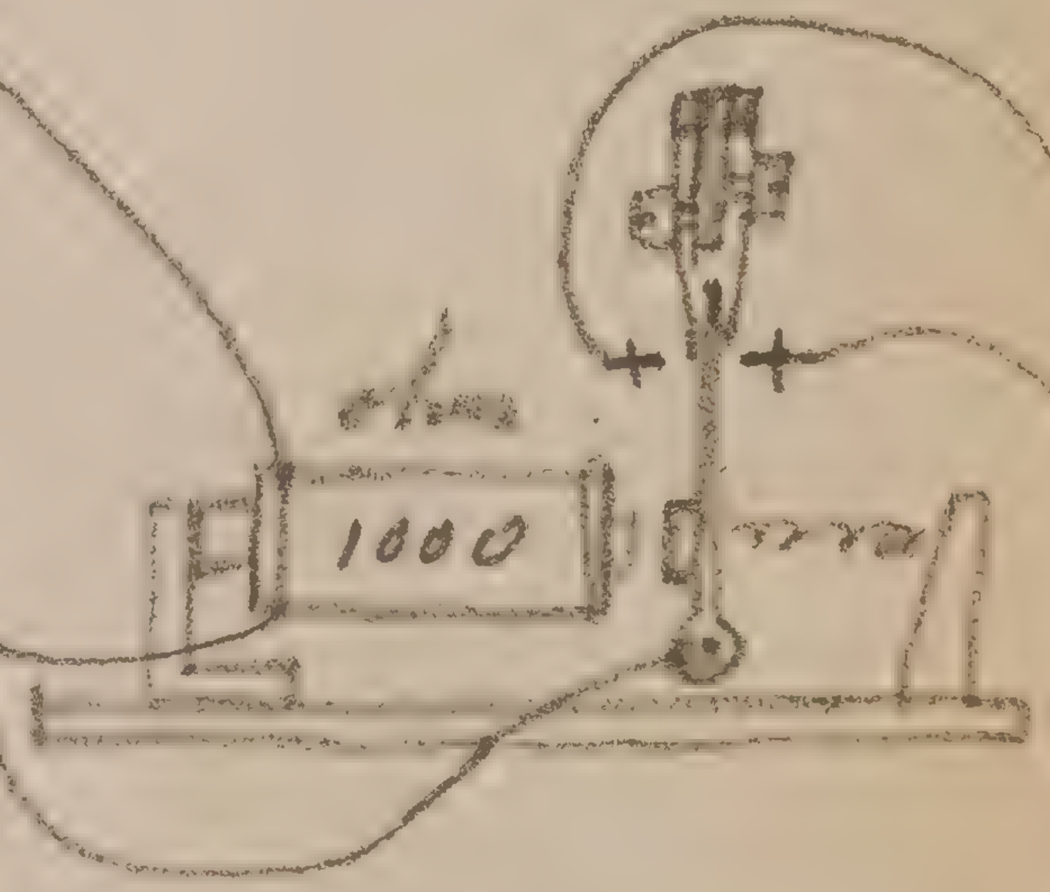
[illegible] 16. [illegible]

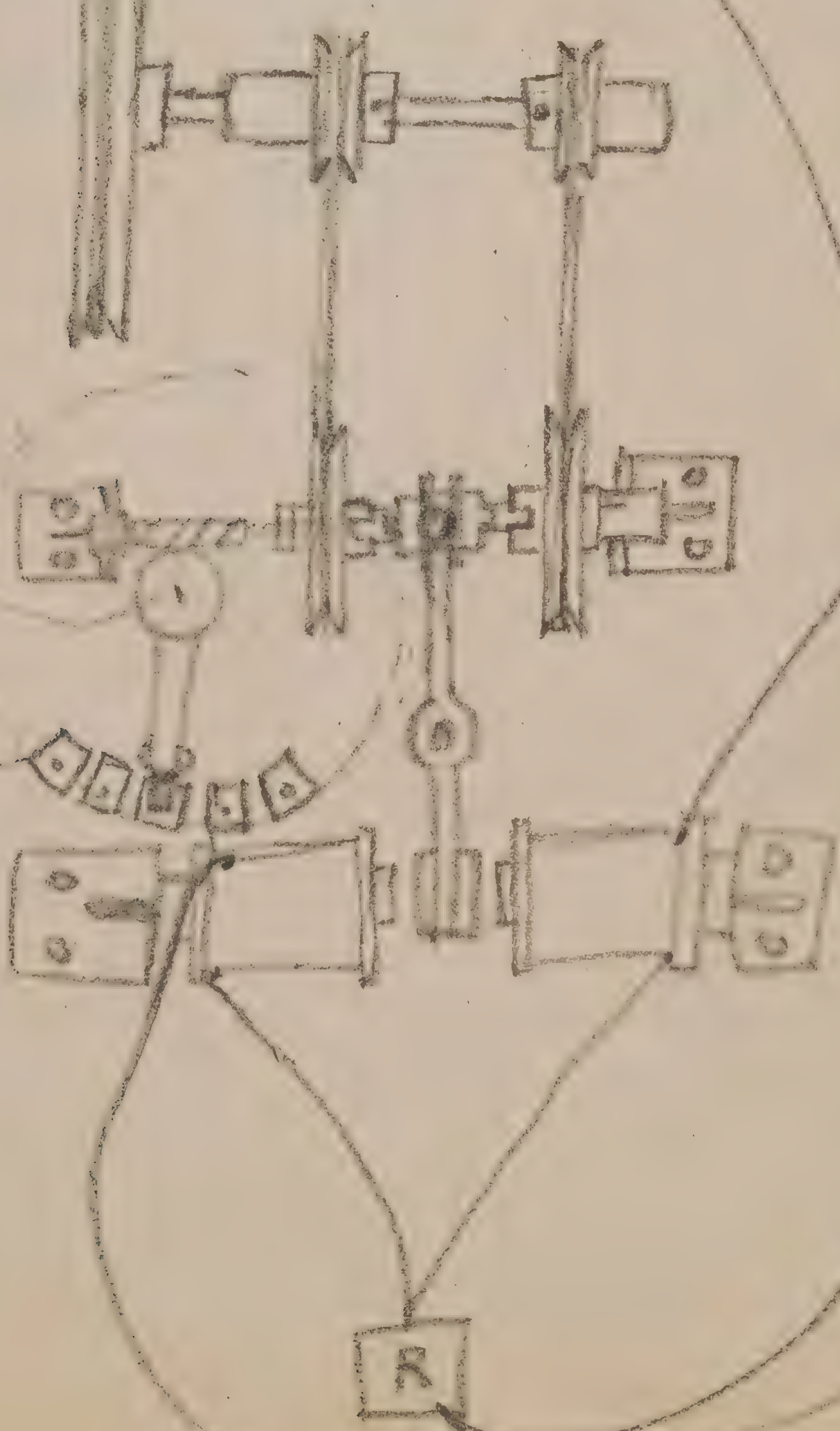
Main

Main



Driving Wheel of Engine



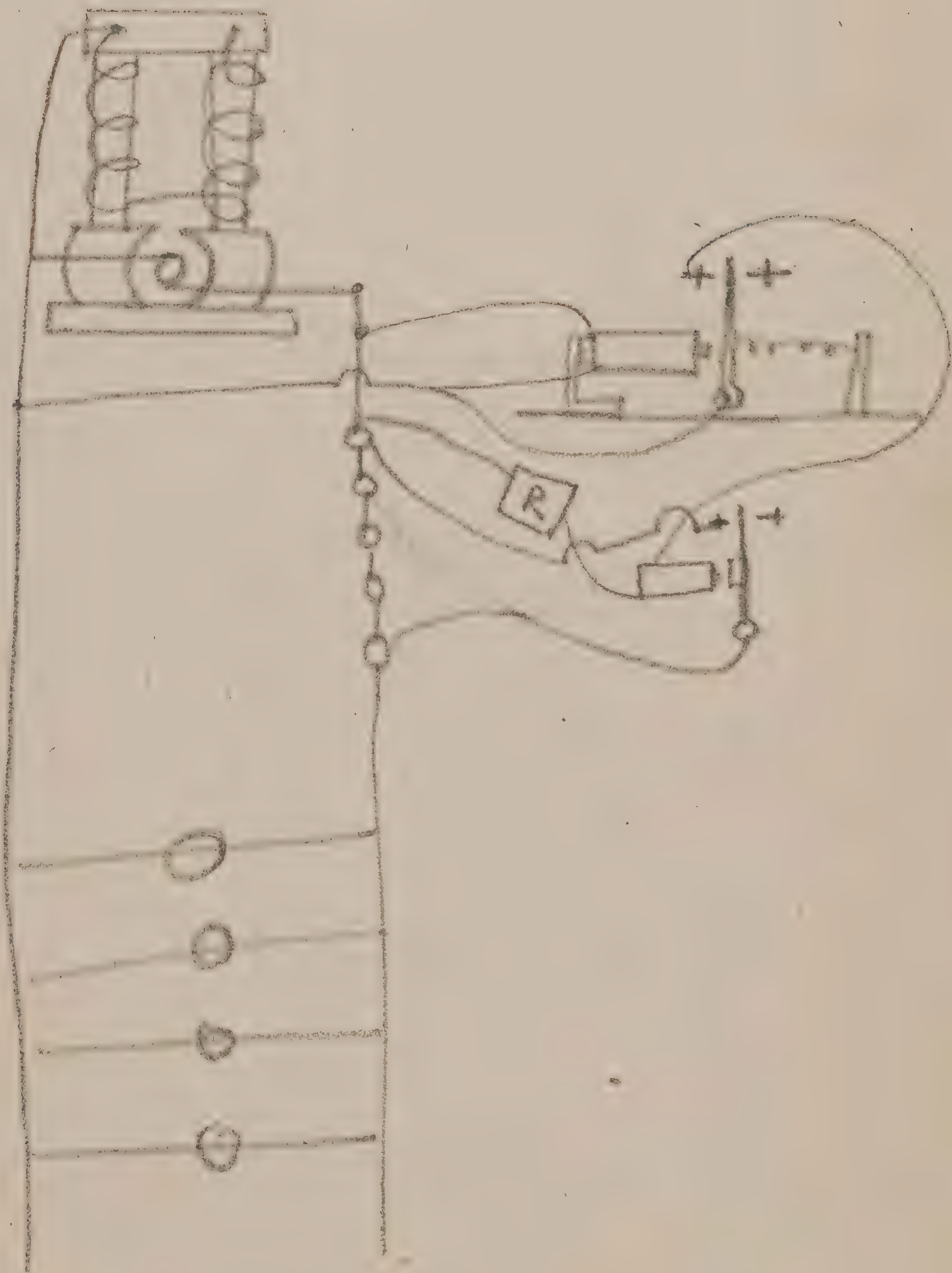


Aug about 28. 1882

For making blue prints as excepted by the patent office

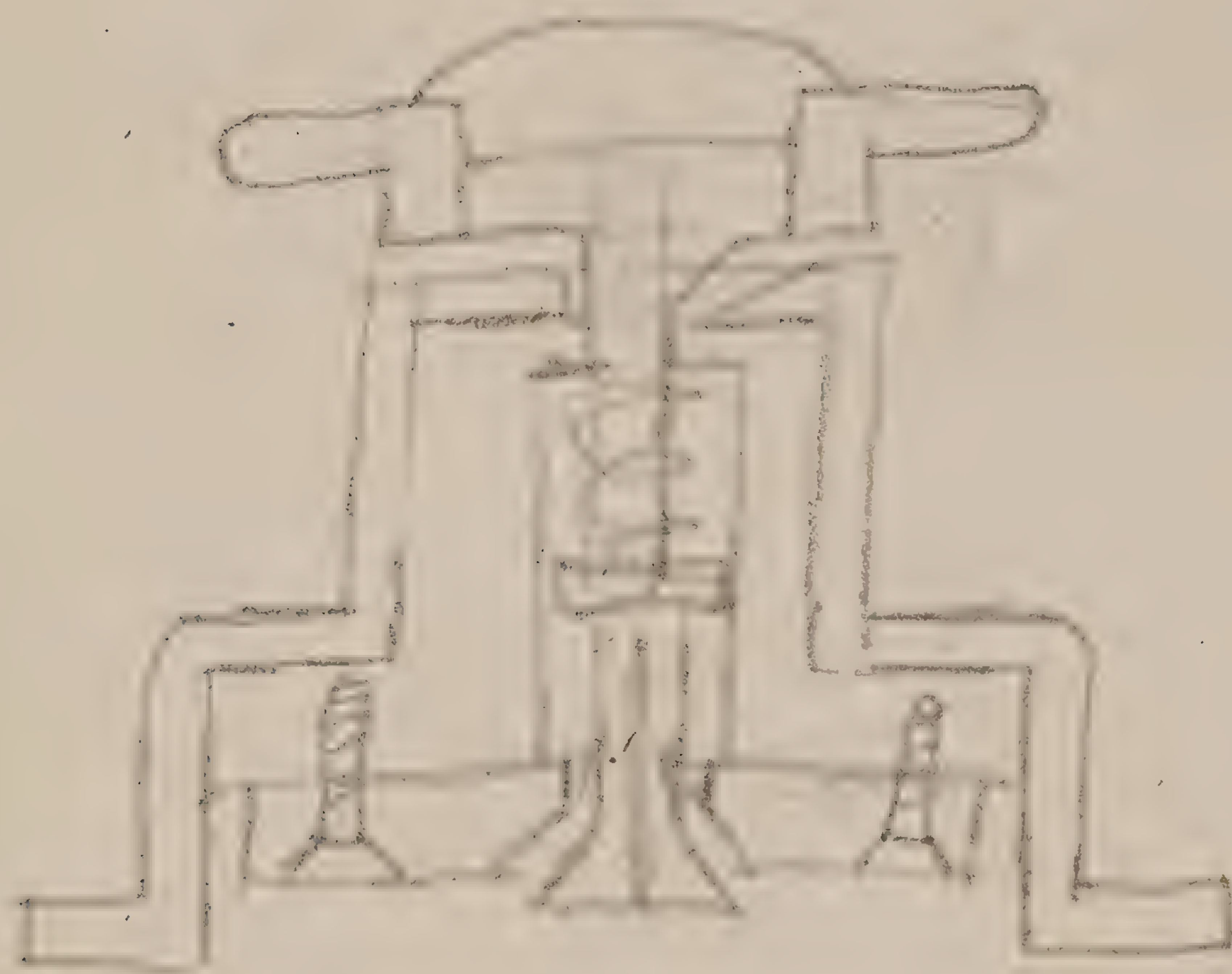
Potasium 4 oz
Ferosinite Potasium 3 oz
Citrate of Iron and Amonia 4 oz
Aqua 8 pt

April 6, 1882.

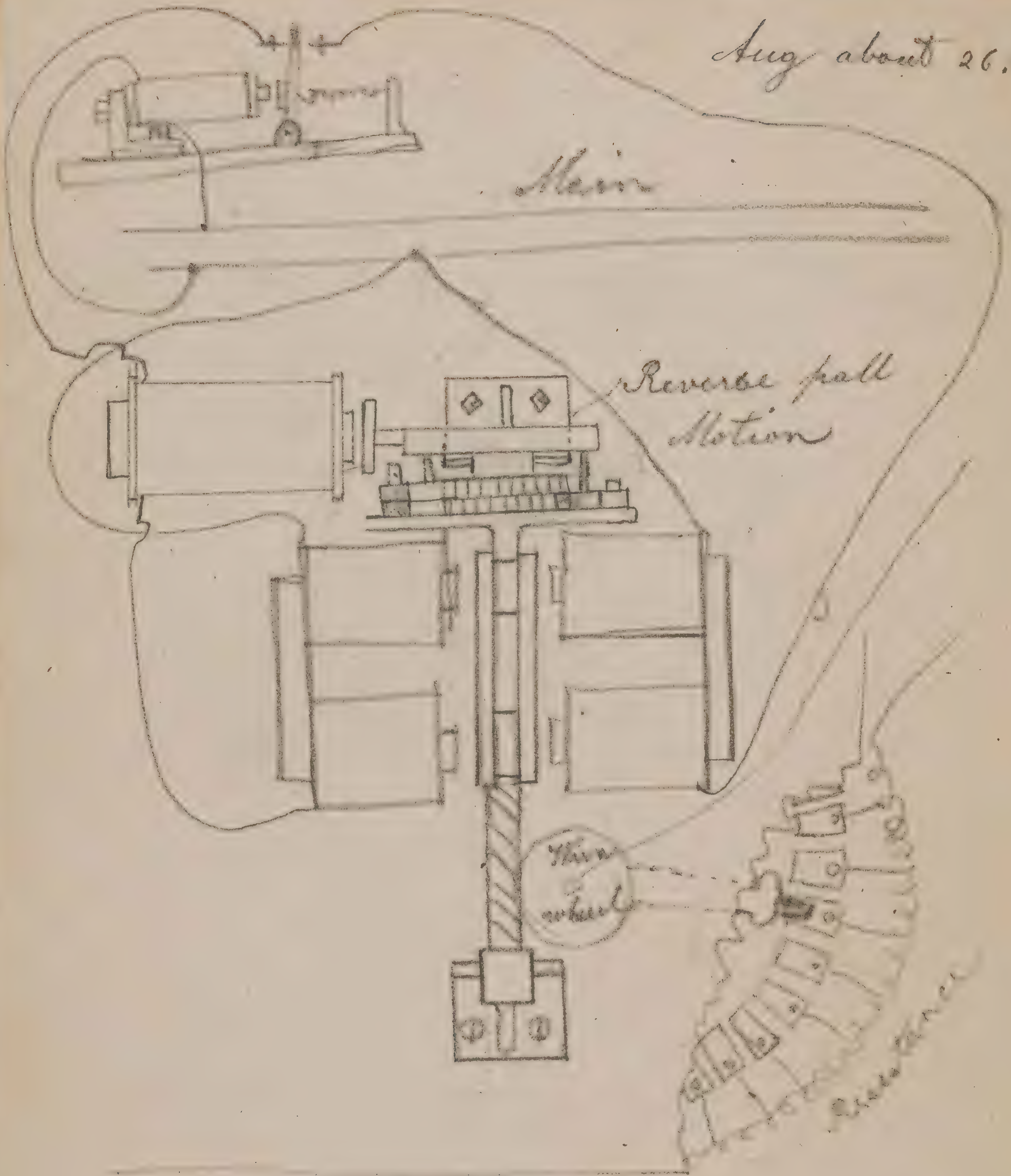


John F. Ott. March 1881

Fro braking sircett



Aug about 26. 1881



platenum wire



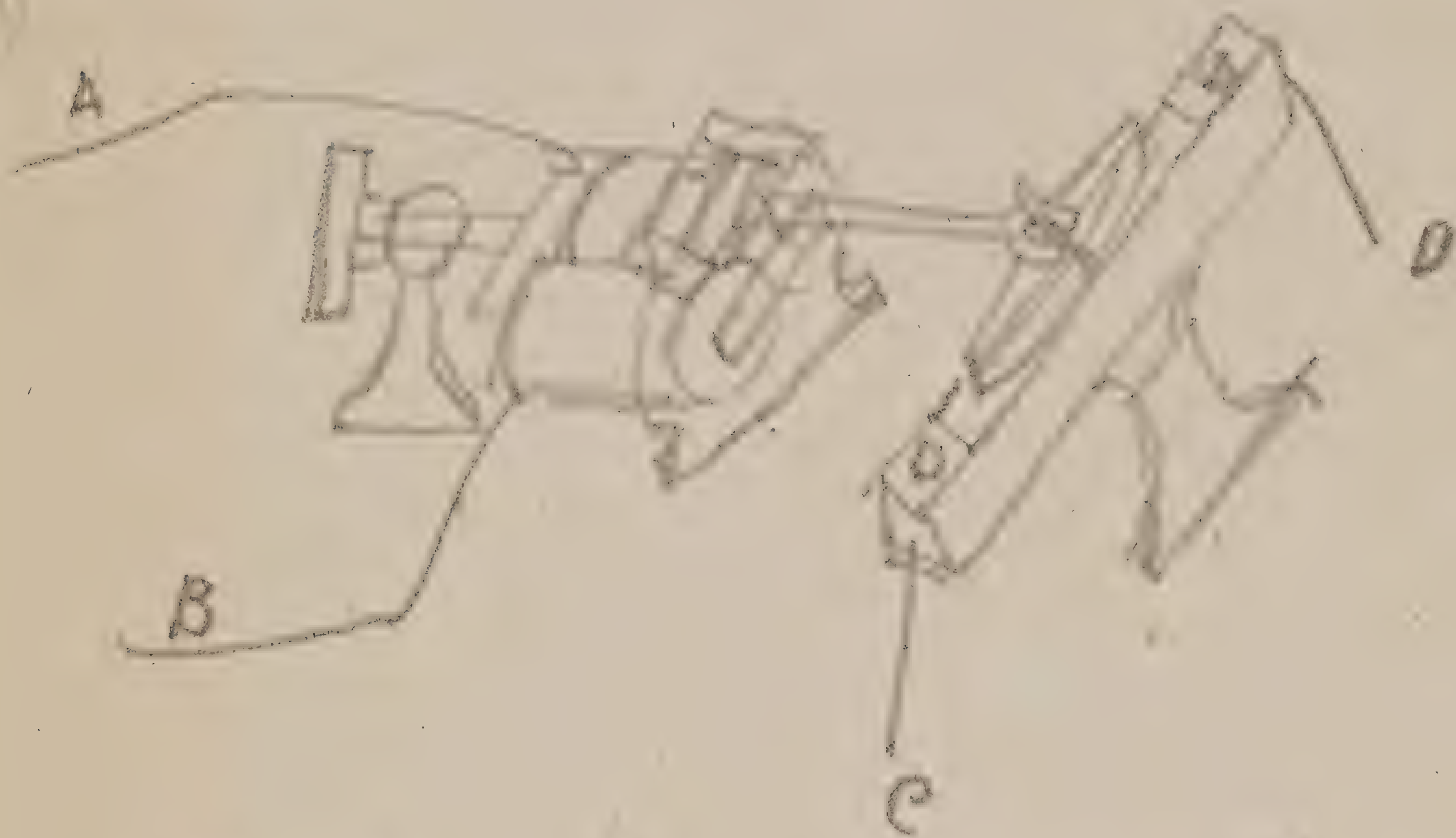
in vacium and by passing a current from A to B the wire will expand and slow leaver B to cloase with C that compleating the local sircit

by T. A. E.

July 1. 1881

A and B Main. C. and D local

Carbon strip preasure realy

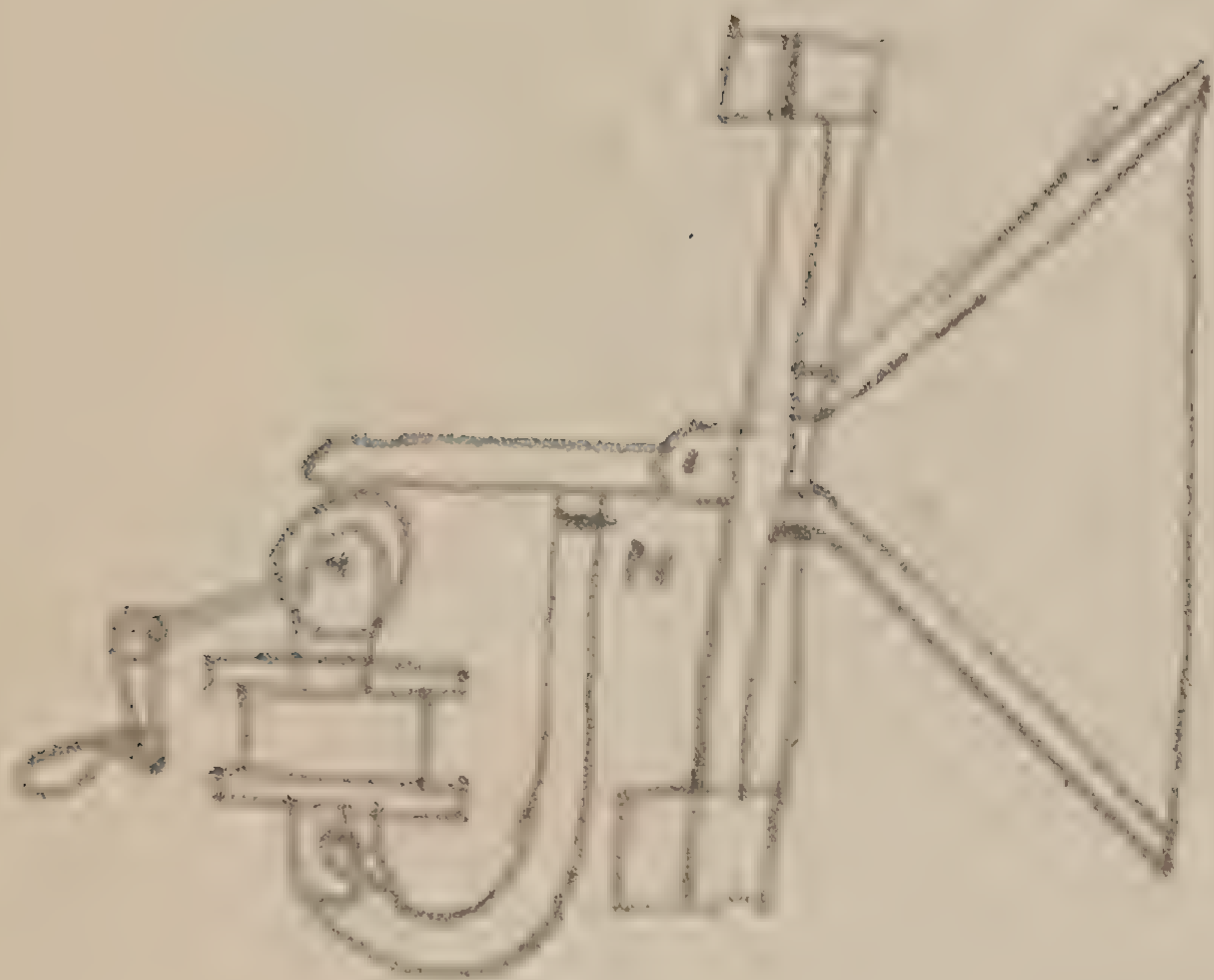


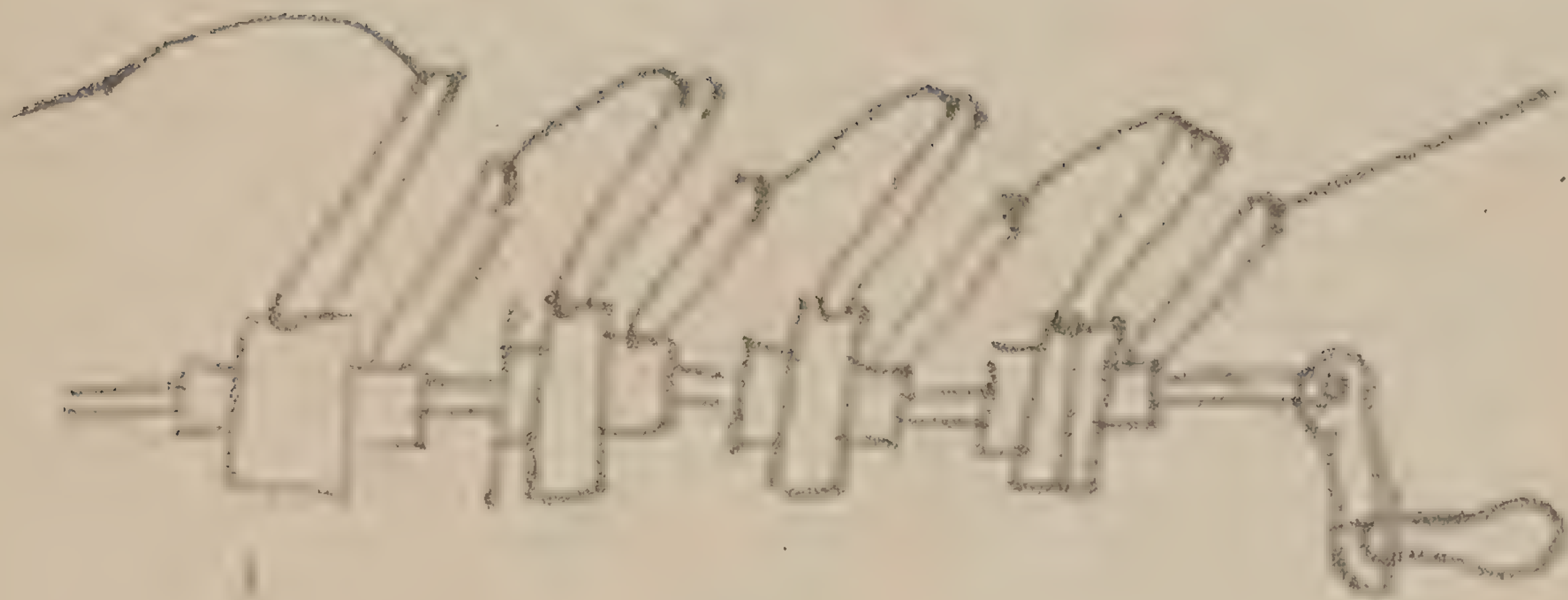
Carbon preasure realy



Magnete Receiver

Diaphram 3 in
Magnet 3/8 squ
spool 50. ohm

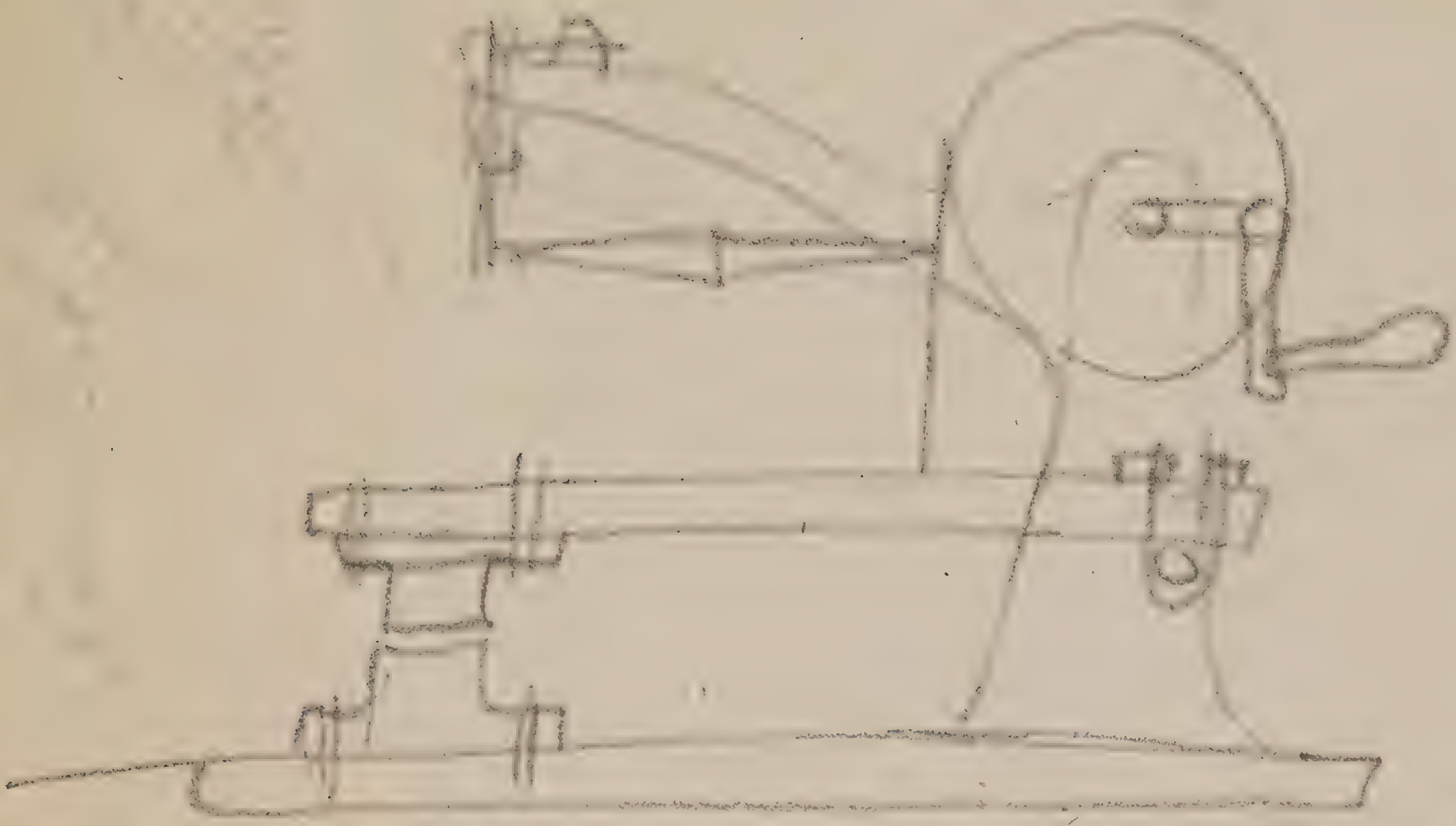




Chalk Battry

Chalk Telephone



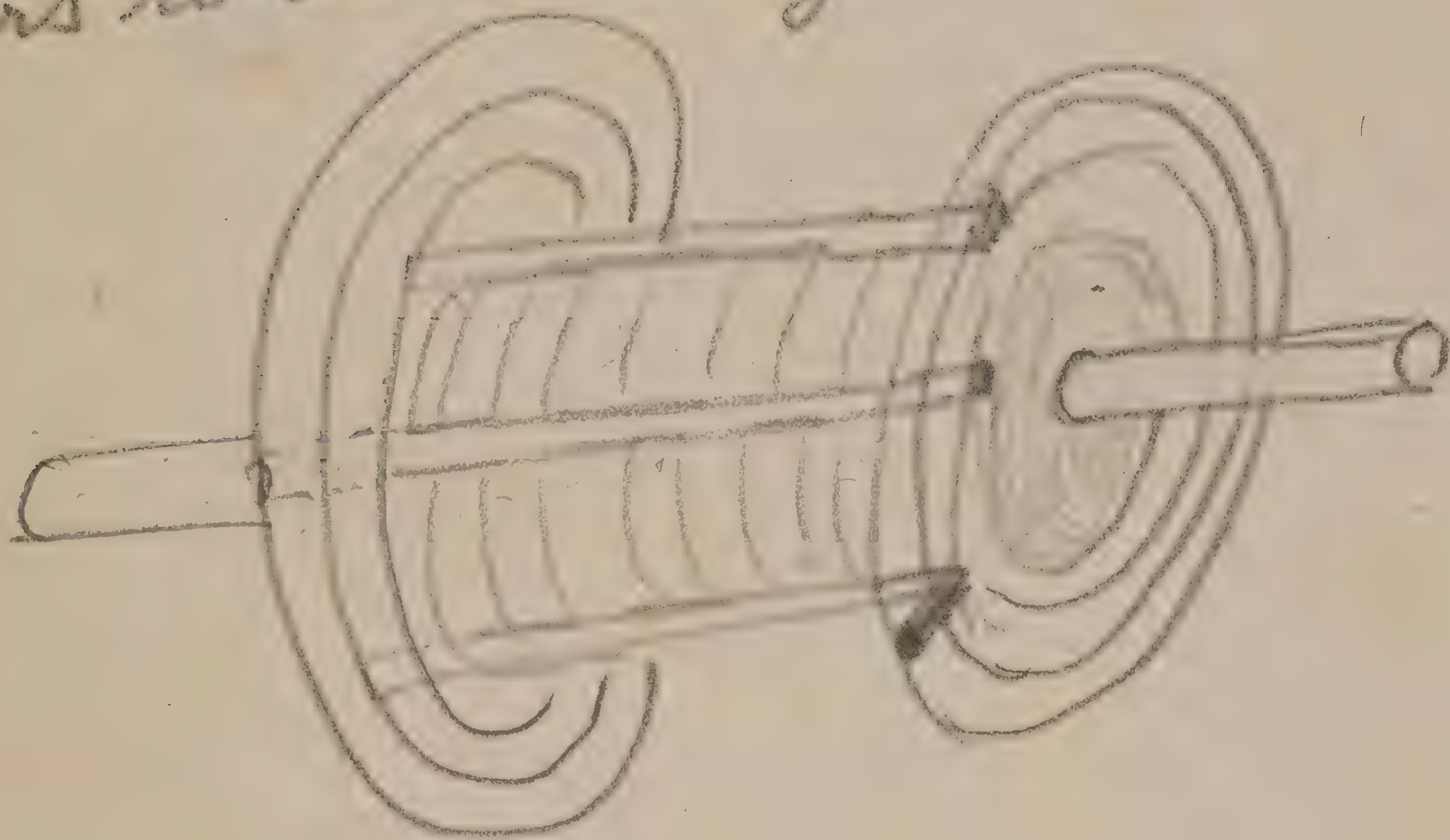


To work like the chalk roaler



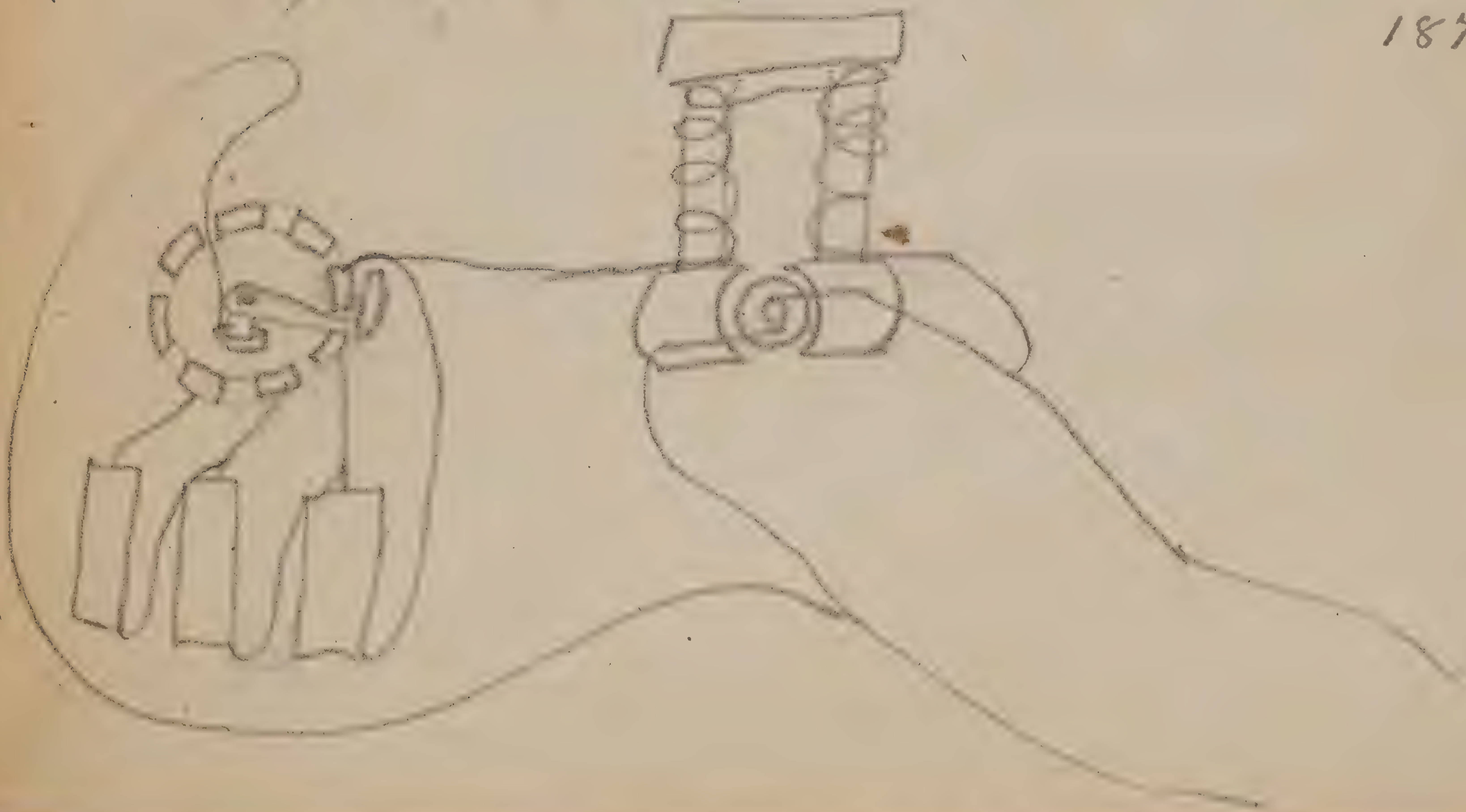
tin foil and mica
roled up in a coil and
sealed in a jar and
vacuum taken of the
lower and a few laden
jars ~~the same~~

Method of conecting the cross bars to outer rings

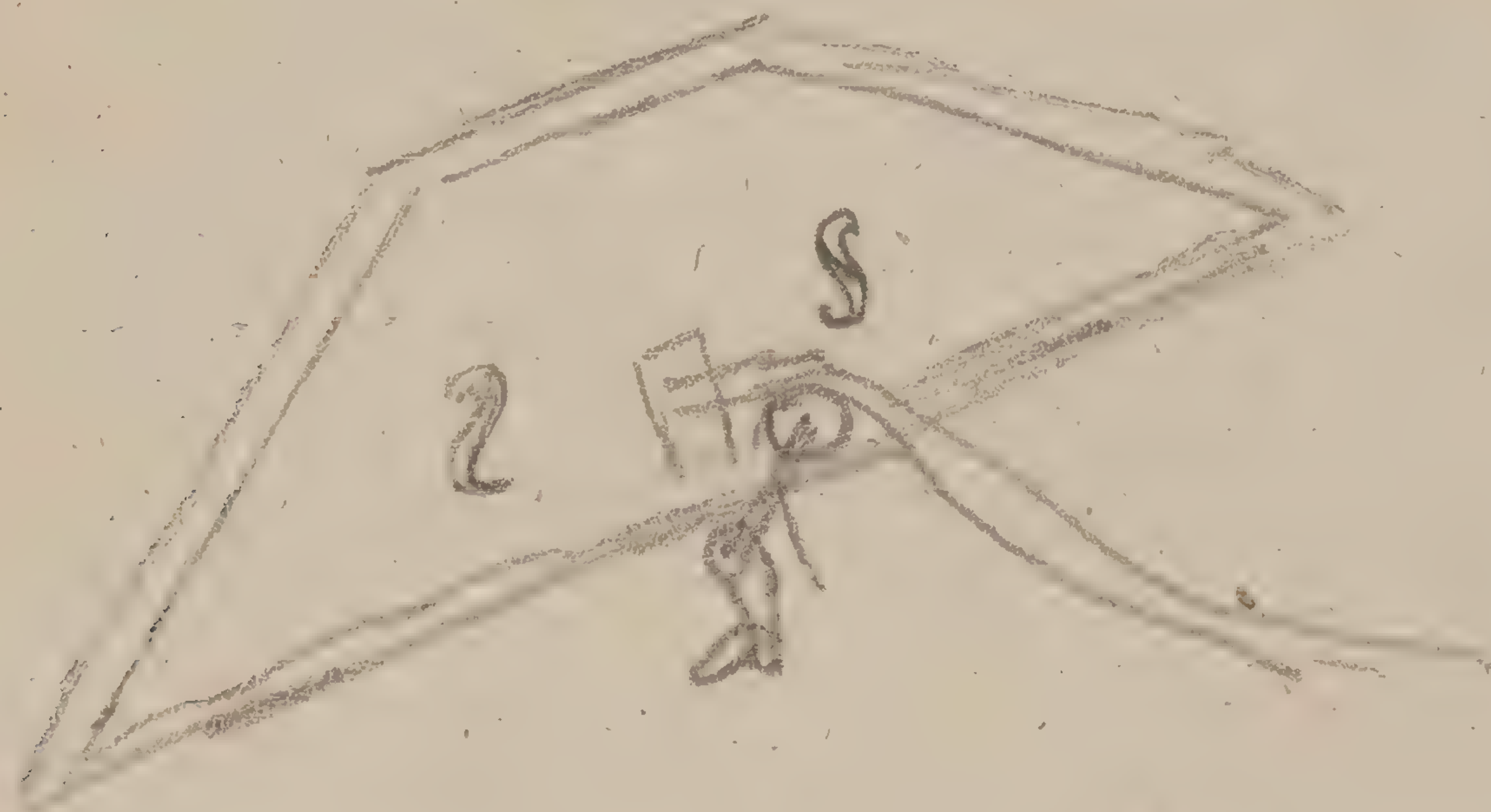


Method of regulating the pressure on the main

1878

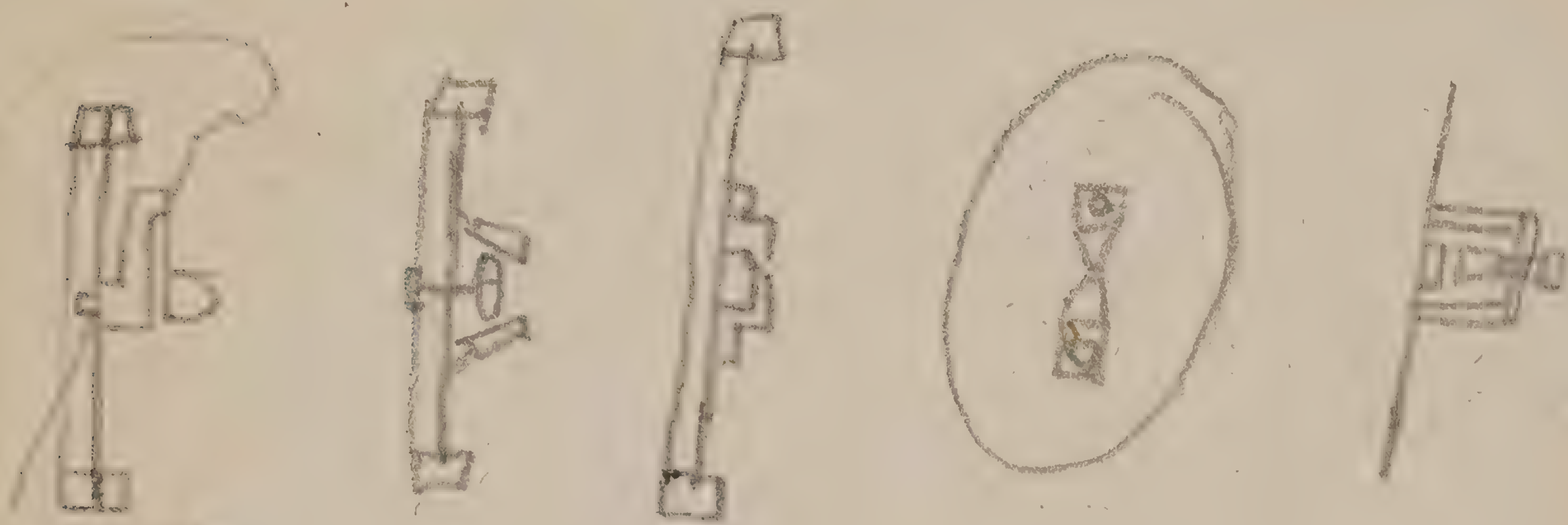


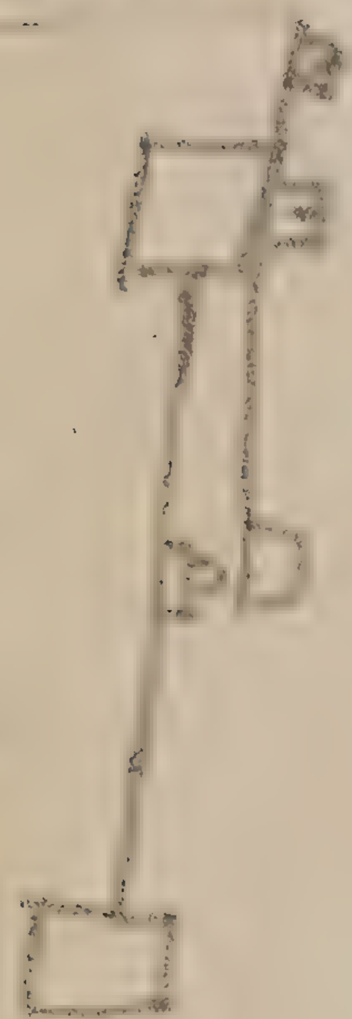
Musical Telephone

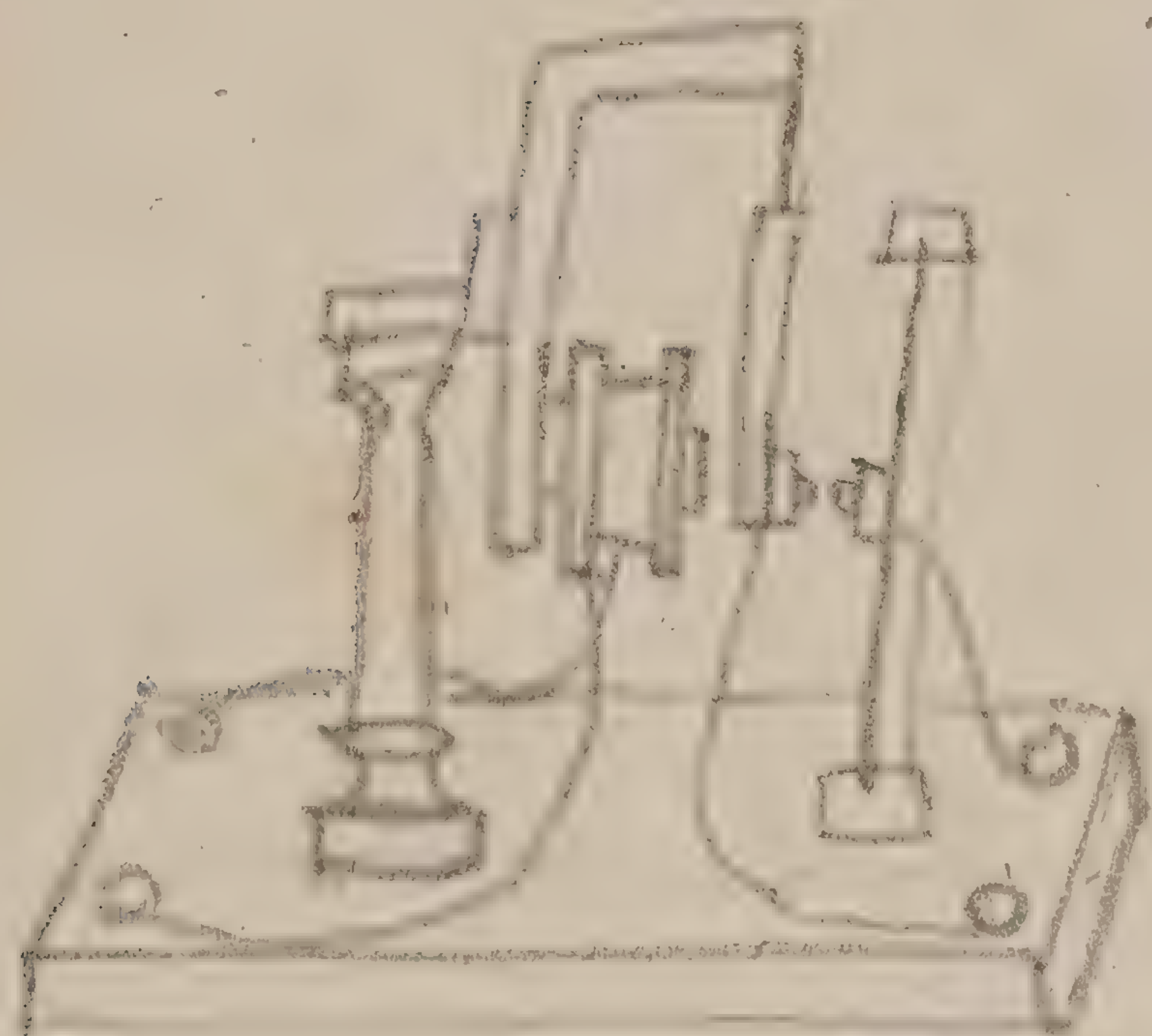


Worked with
a wirm wheel from
the other side running
through sounding
bord

Various stiles of Microfone

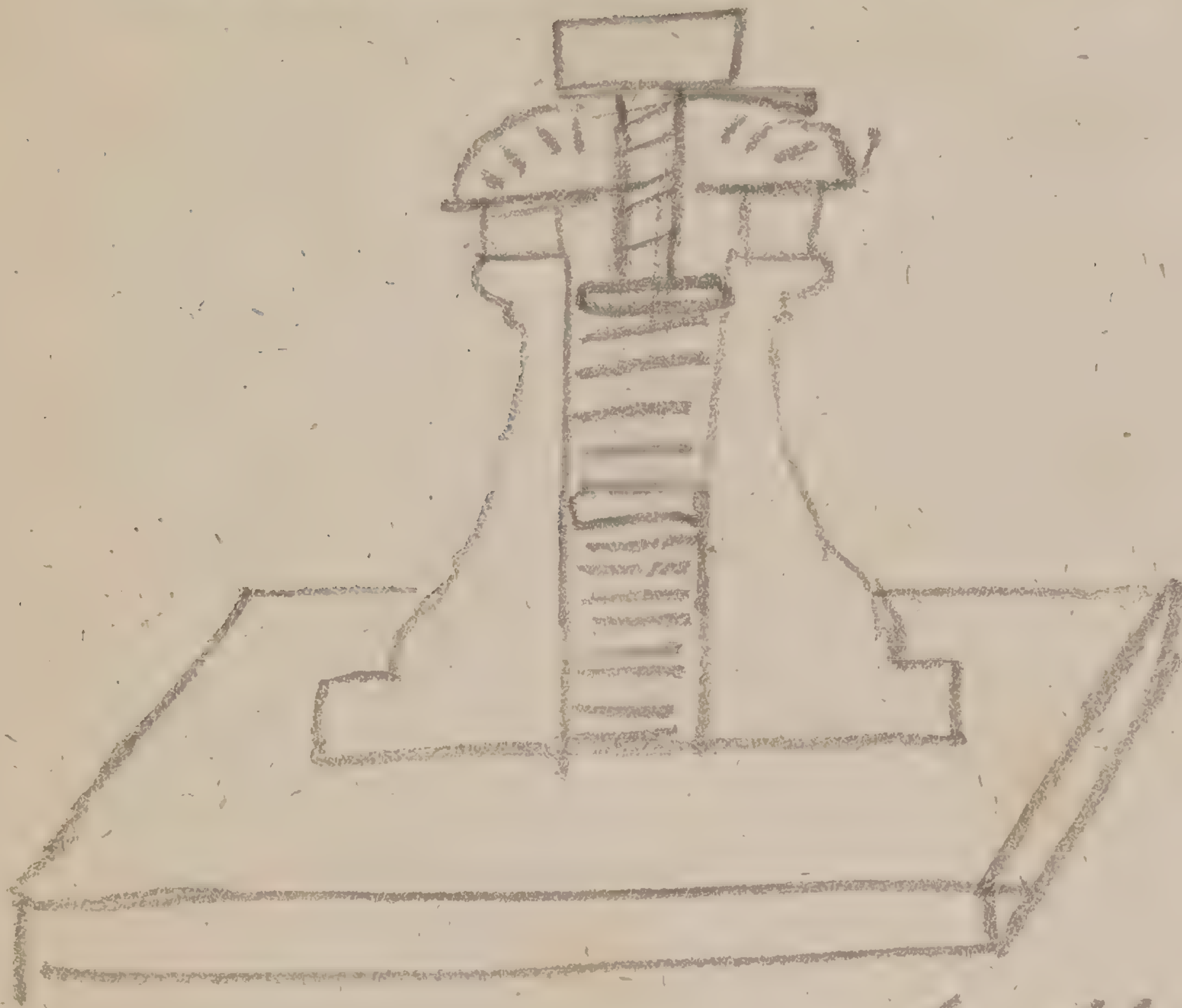




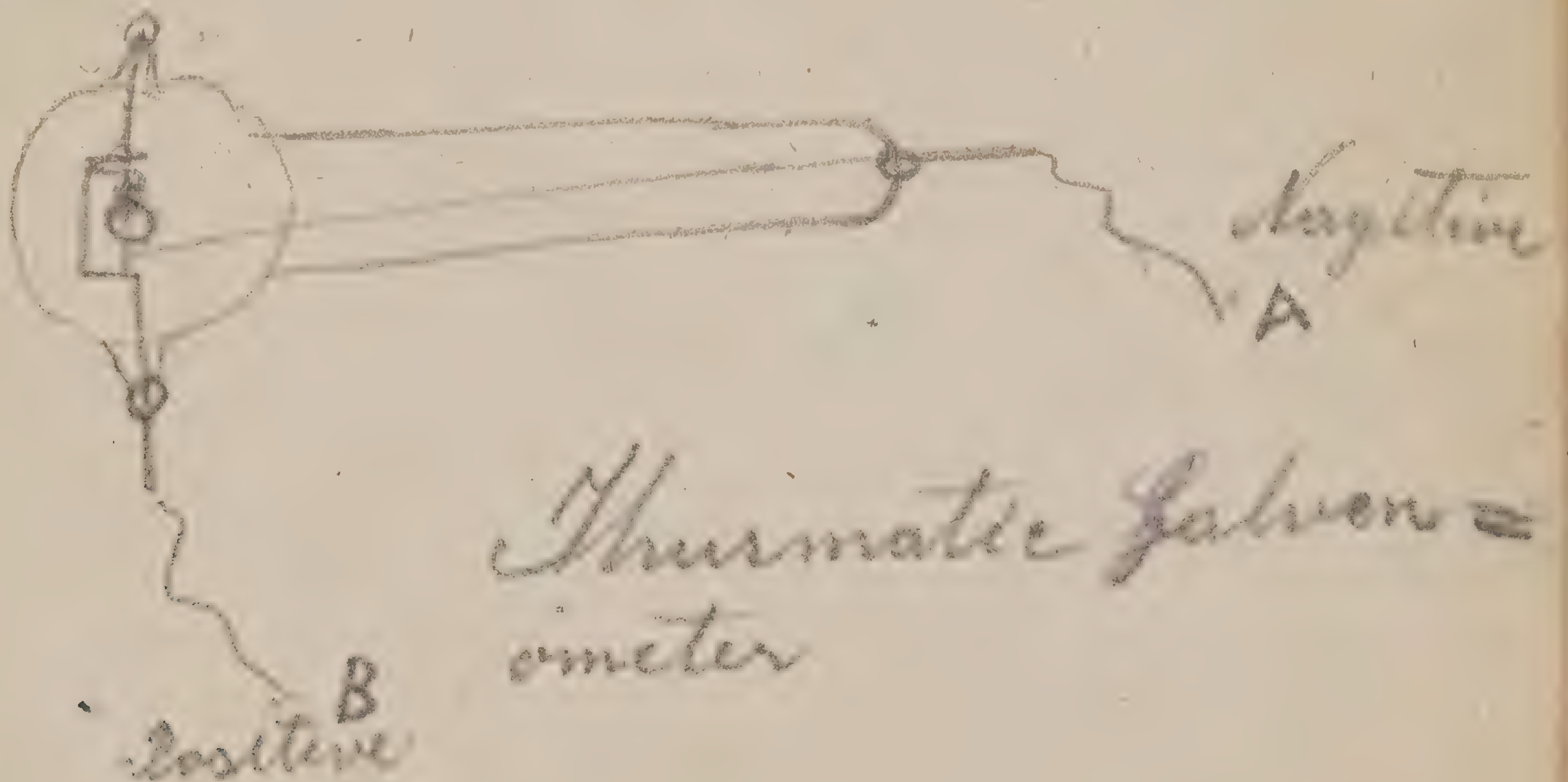


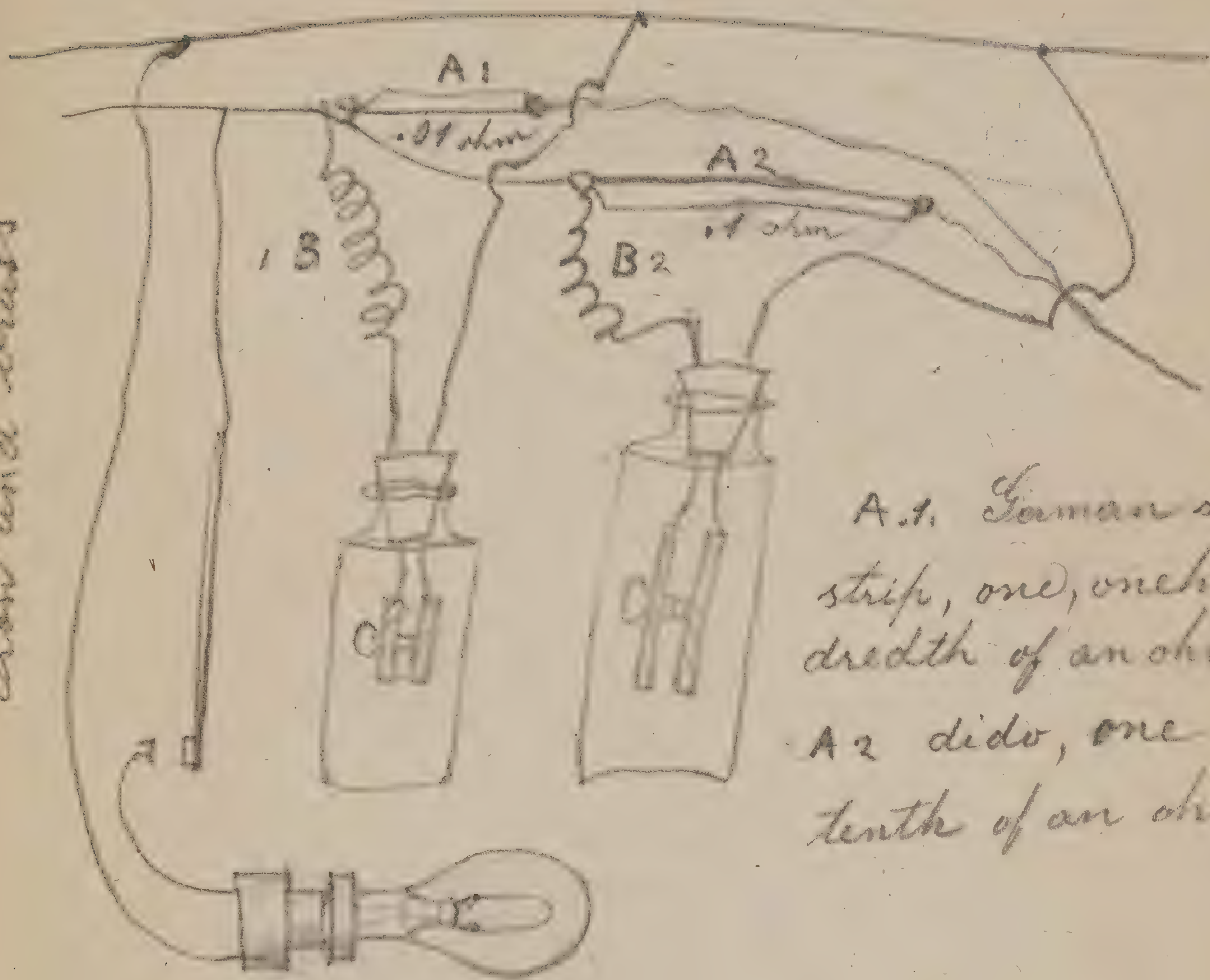
Telephone repeater

Preasure restad



silk fluffs saturated
with plumbago

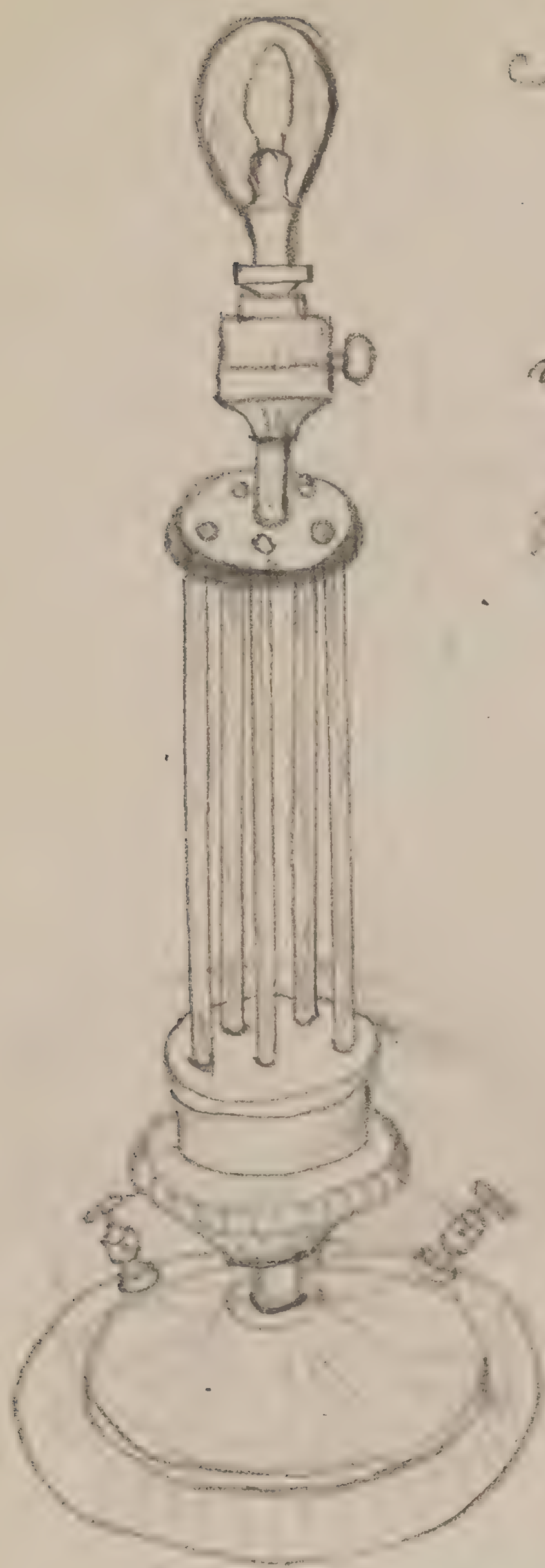




A.1. German silver strip, one, onehundredth of an ohm
A2 dido, one tenth of an ohm

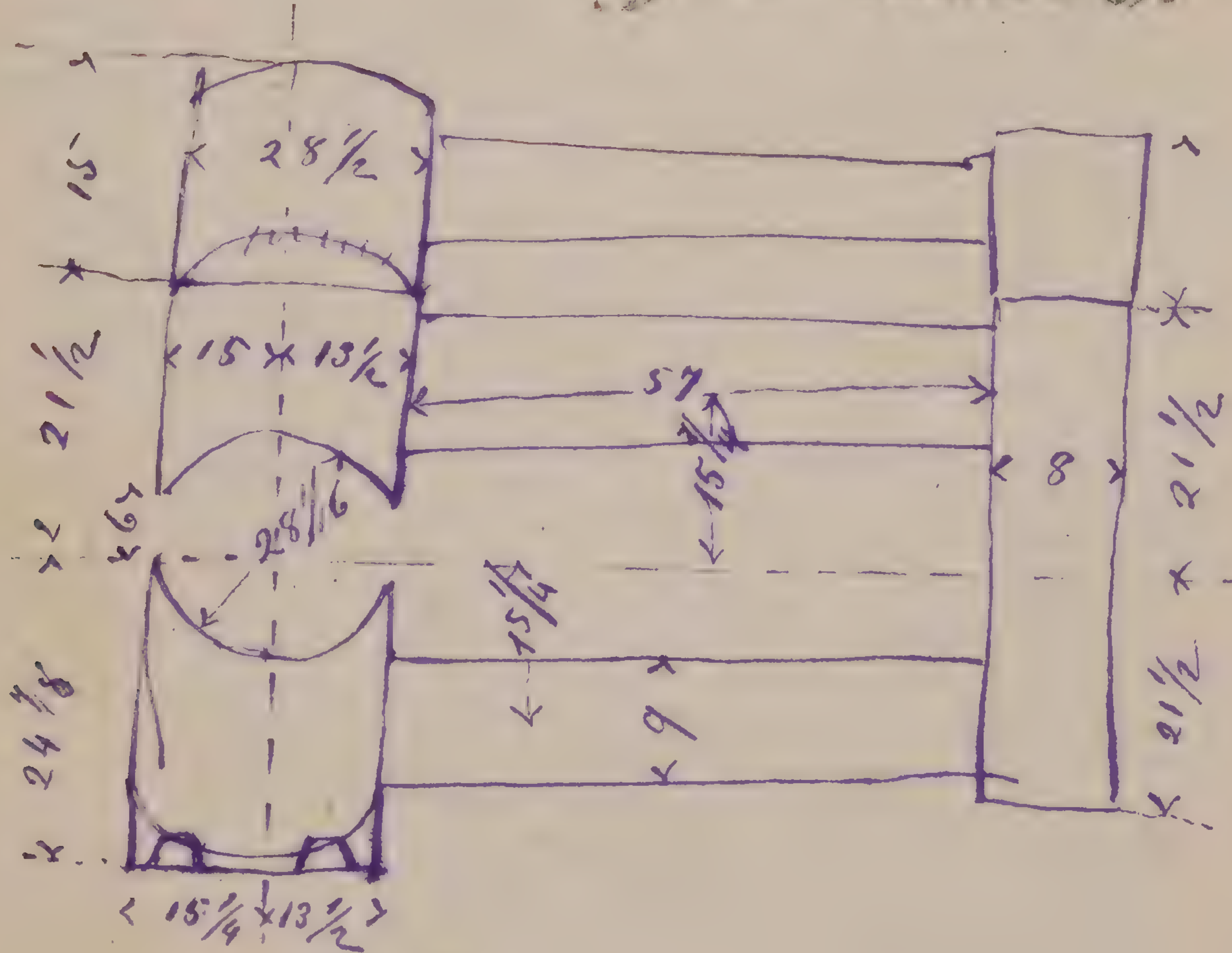
The latest Heater with thermostatic regulator for keeping up the temperature

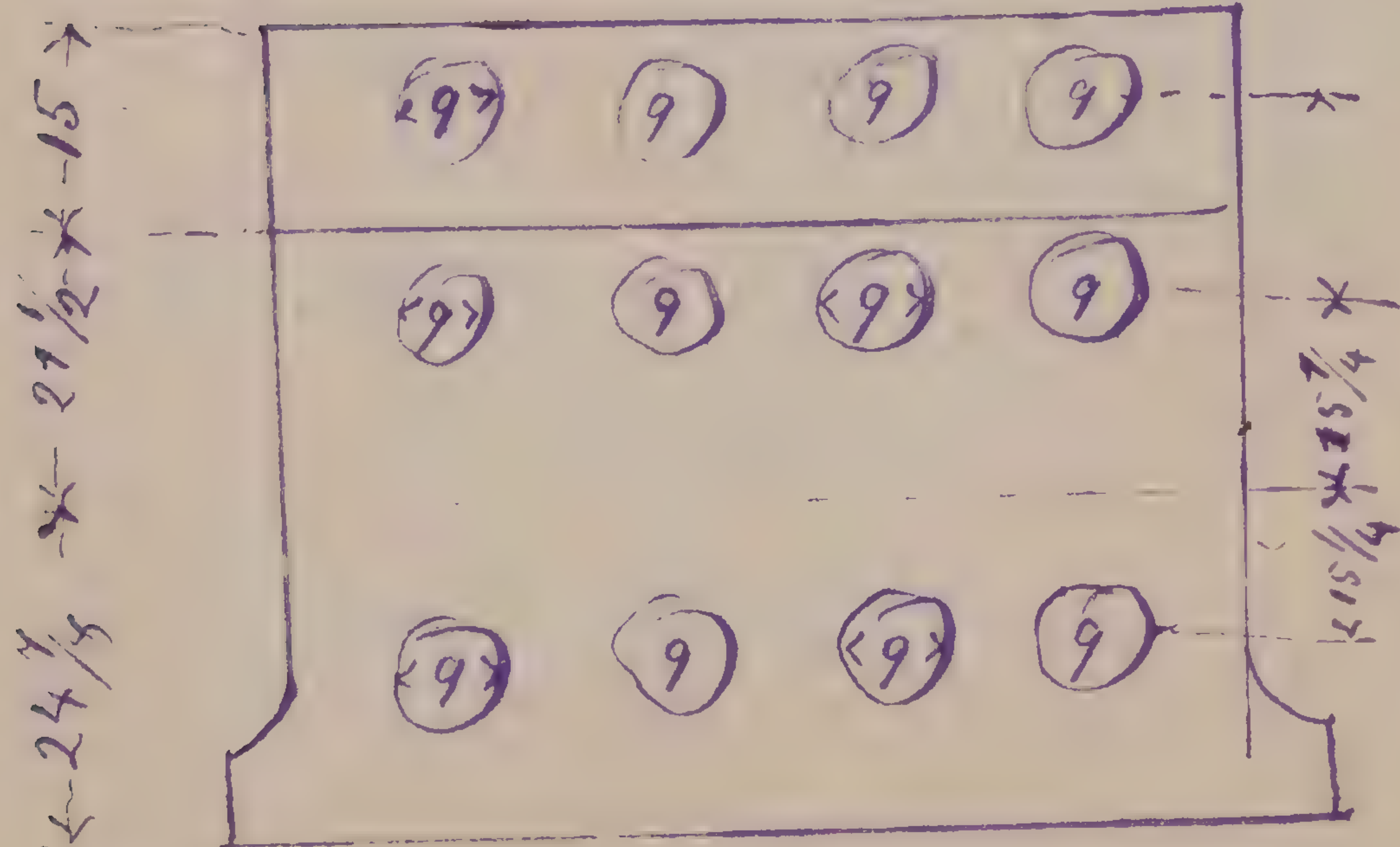
Turn down Lamp



with sticks of carbon
for resistance

Outlines of Cent station Dynamo for Pearl St





The last Armature

$\frac{38}{1000}$ ohm

Armature $\frac{39}{1000}$ of an ohm

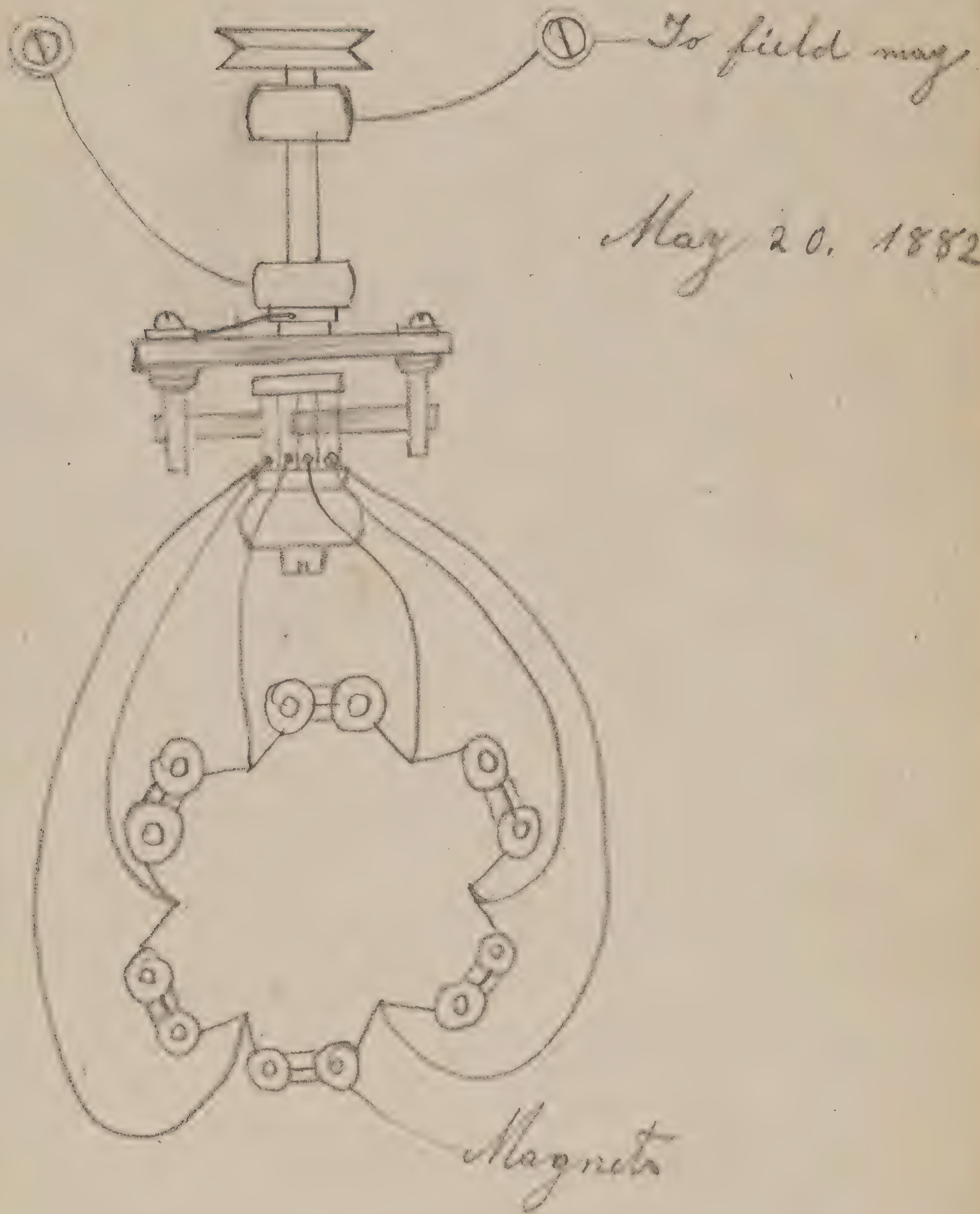
Field Magnets Connected

3 in series 4 in Multiple are

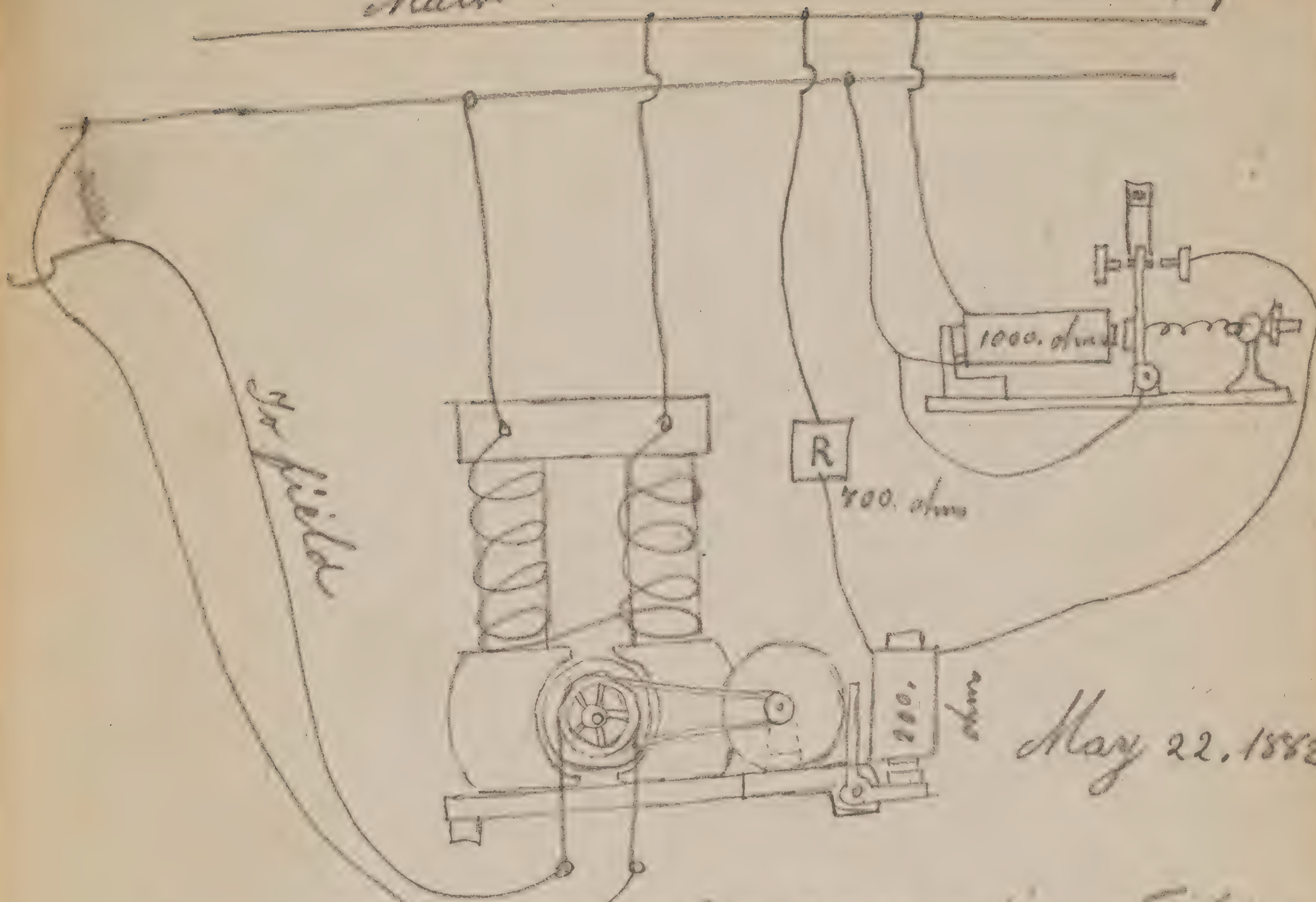
resistance core 3. ohms total 2 1/4 ohms

wire No 12

Counter Electromotive force Regulator



May 20. 1882



May 22, 1882

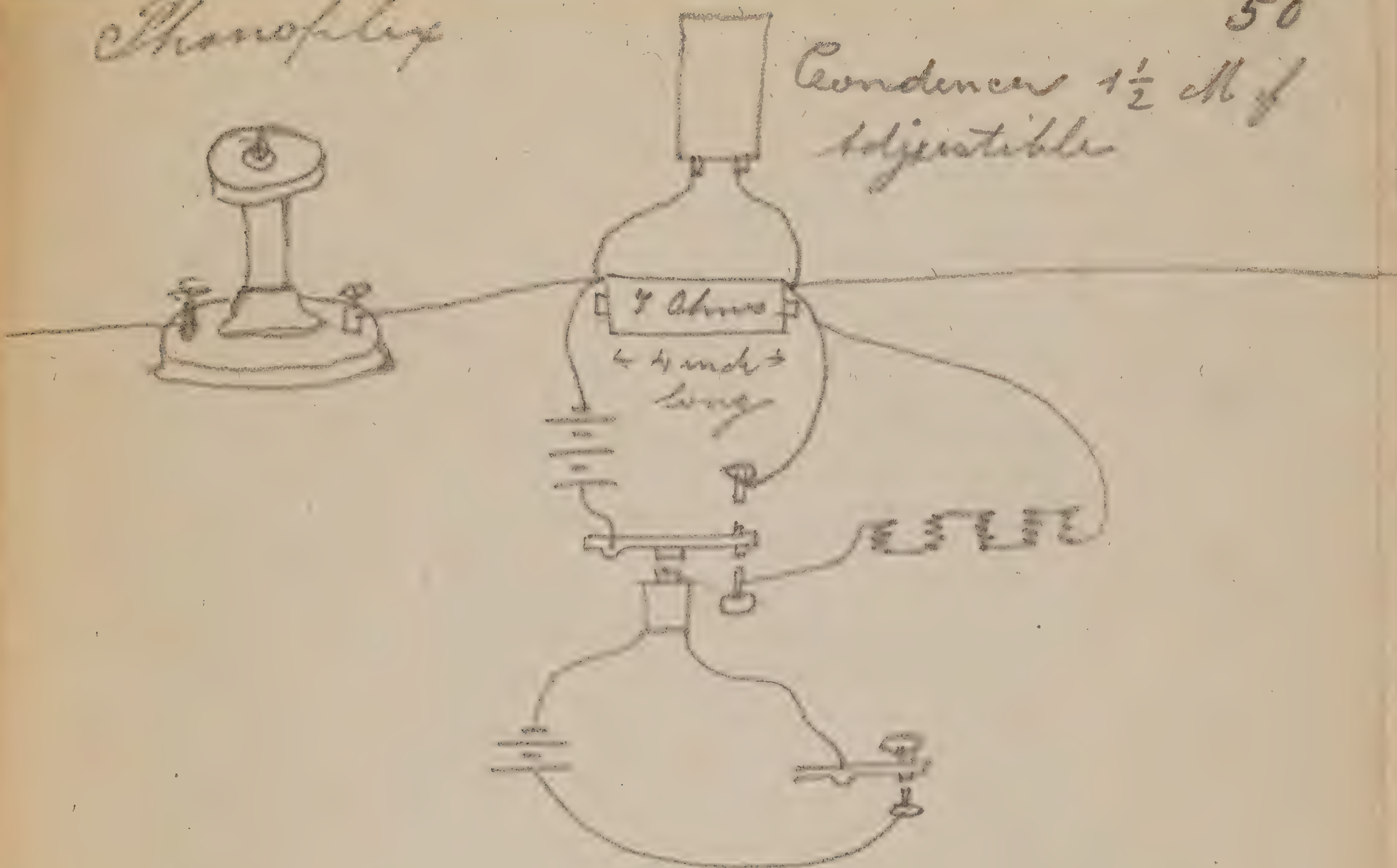
Counter Electromotiveforce in Field circuit

This worked verry good
used Tompson Galv

Lamps.	rise. m/m	Deflection. m/m	fall. m/m
5		200	
10		195	5
15		195	5
20		195	5
25		195	5
30		195	5
25	5	200	
15	5	200	

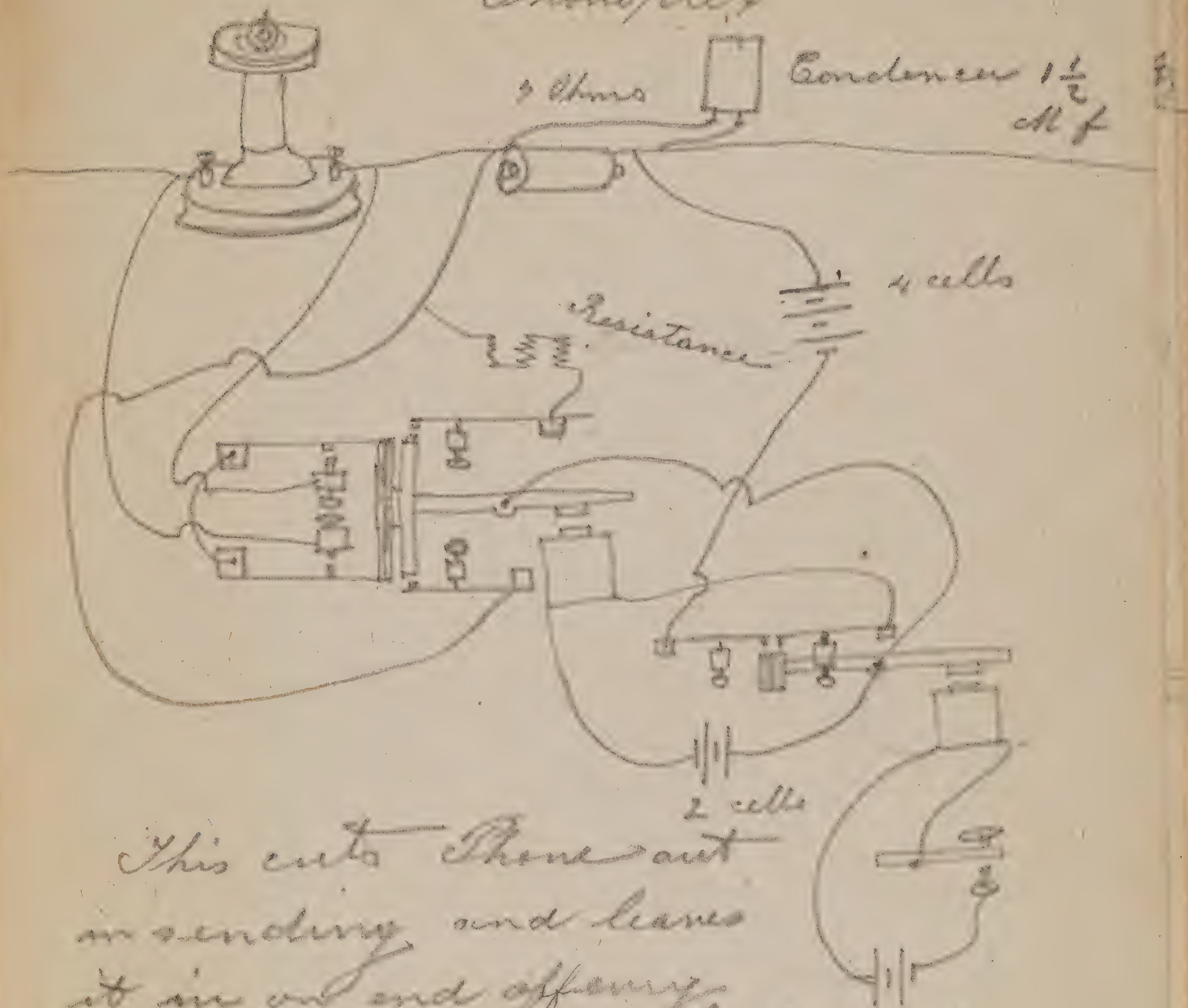
5 equivelent to 2 Volts

Phonoplex



Coils 4 inch long $1\frac{5}{8}$ diam.
7 Ohms Prim no secondary
worked best

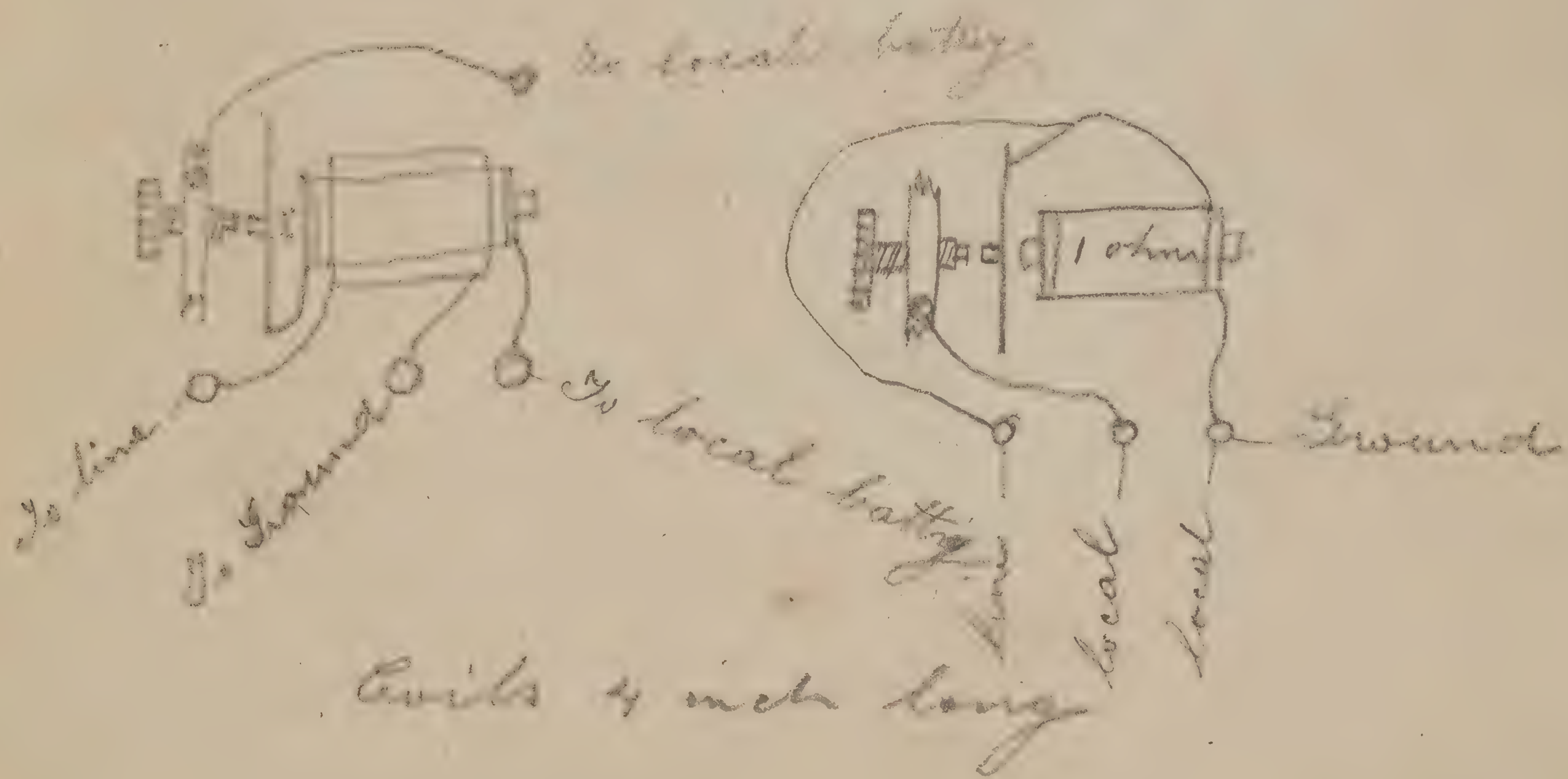
The Phone of Siemans
patron Telephone

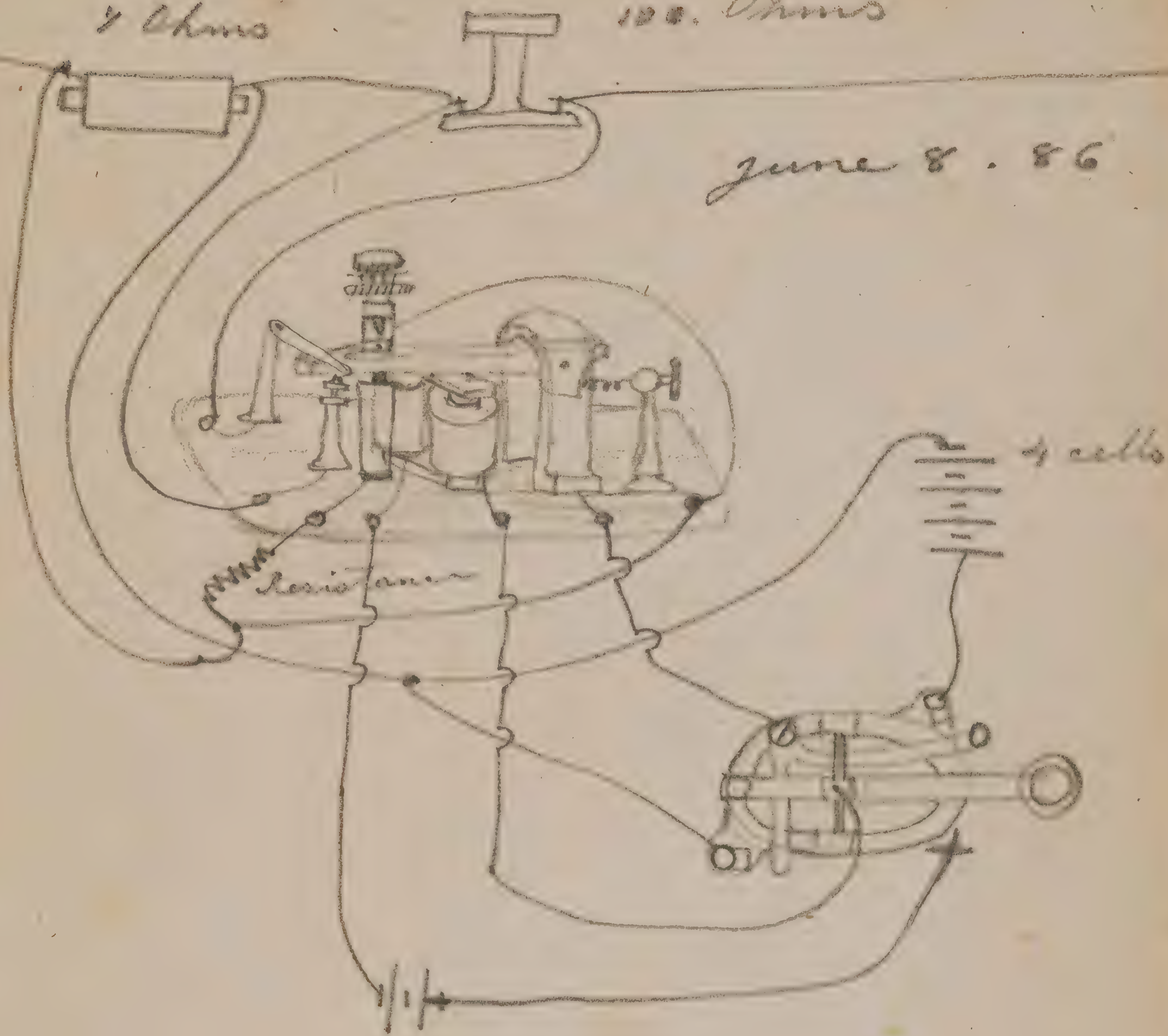


This cuts Phone out in sending and leaves it in on end of every stroke so that a break can readly be read

Condenser

1 ohm



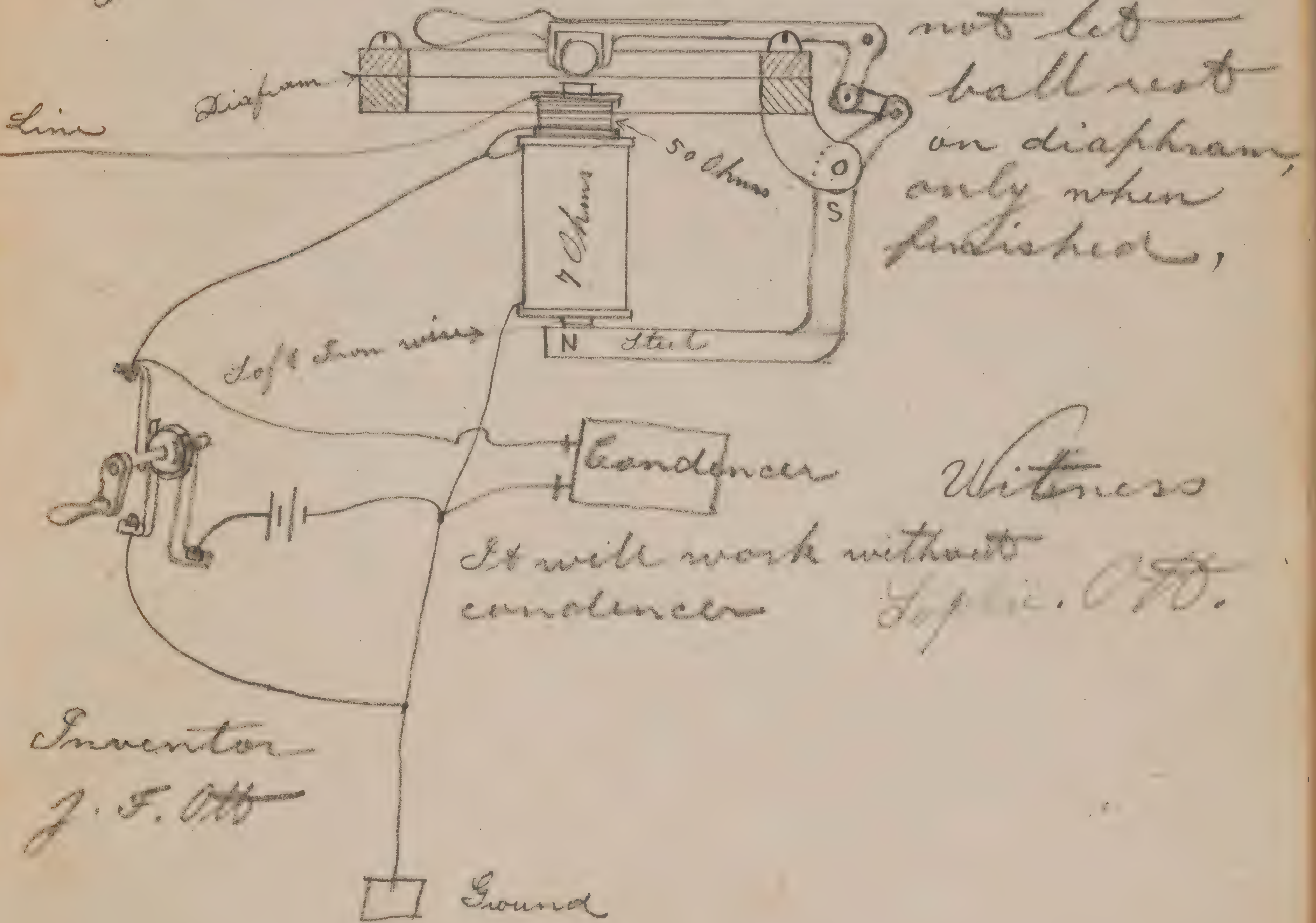


This cuts out coil when receiving also shunts phone while sending

Sep 12 86

Combination call, and receiver for Telephone, or District call,

The leaver to be raised up when sending a signall or call, and lowered when receiveing, to bring steel magnet in contact with Iron core and not let ball rest on diaphram, only when finished,



It will work without condencer

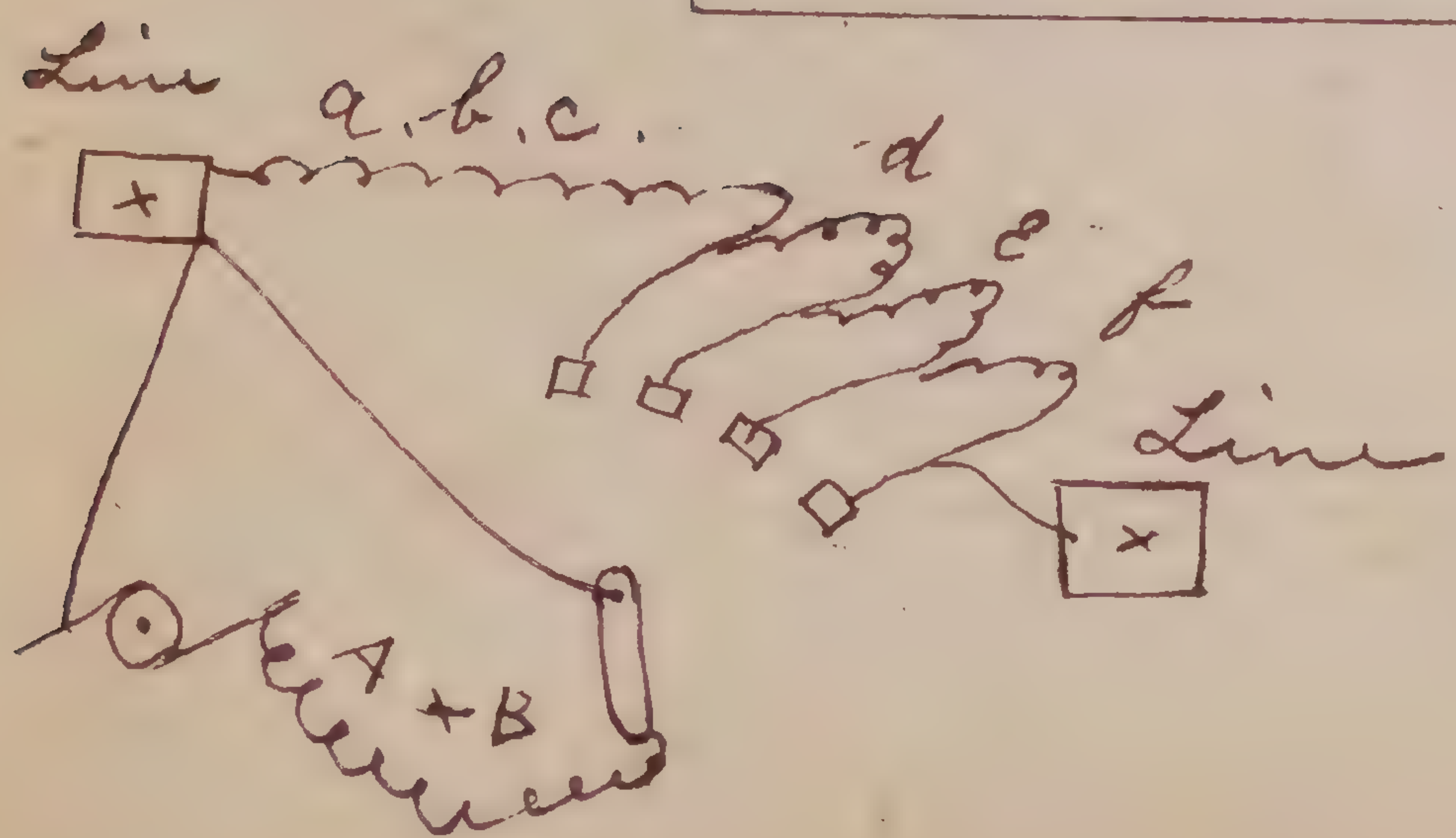
Witness

Inventor
J. F. Ott

next page

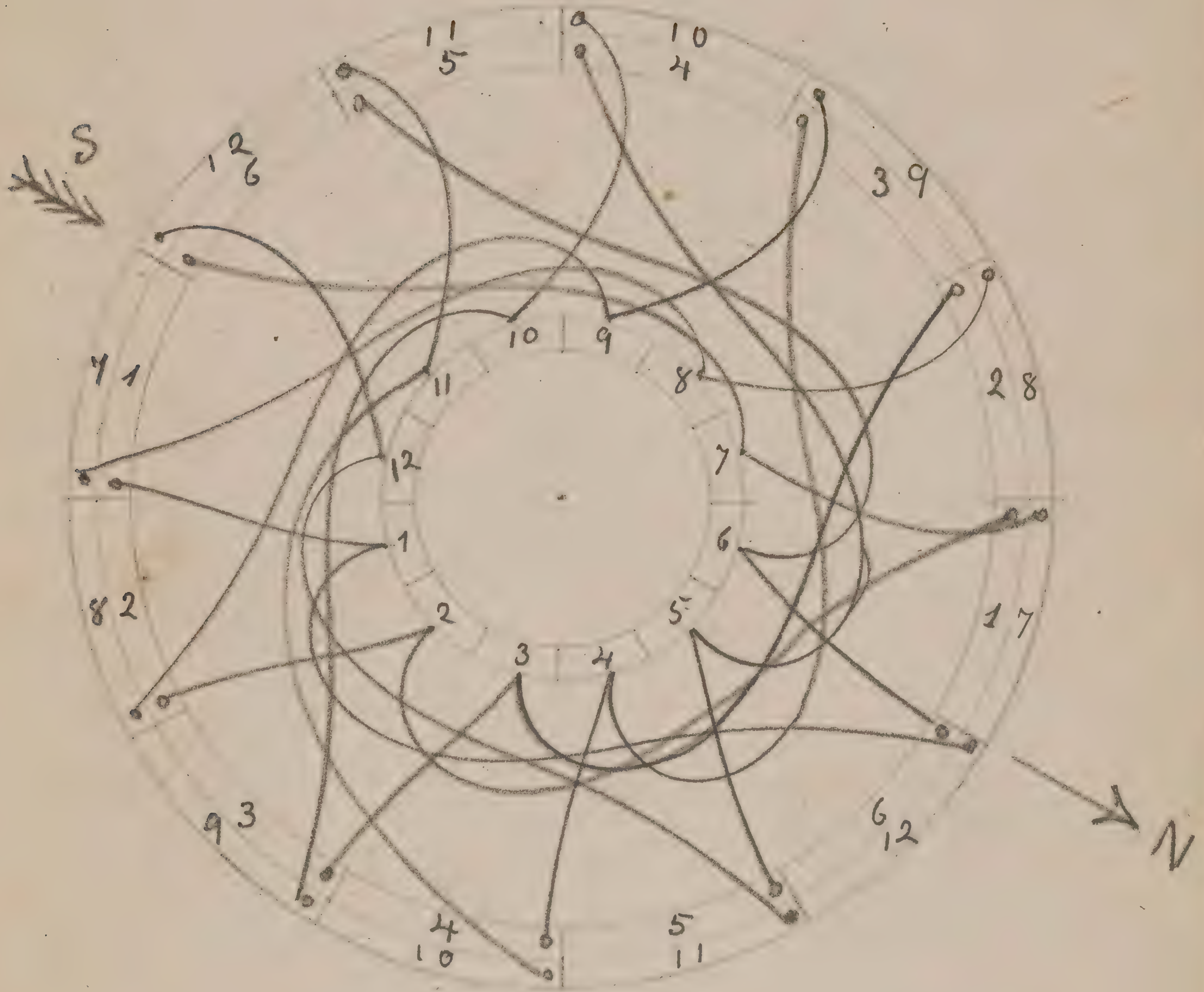
I also claim the 7 Ohm spool in circuit with Transmitter, using no secondary, and I find it works just as well on a long line, as the secondary winding, if any thing the brakes are sharper, and clearer on, 7 Ohm coil.

Sprague Motor & Switch



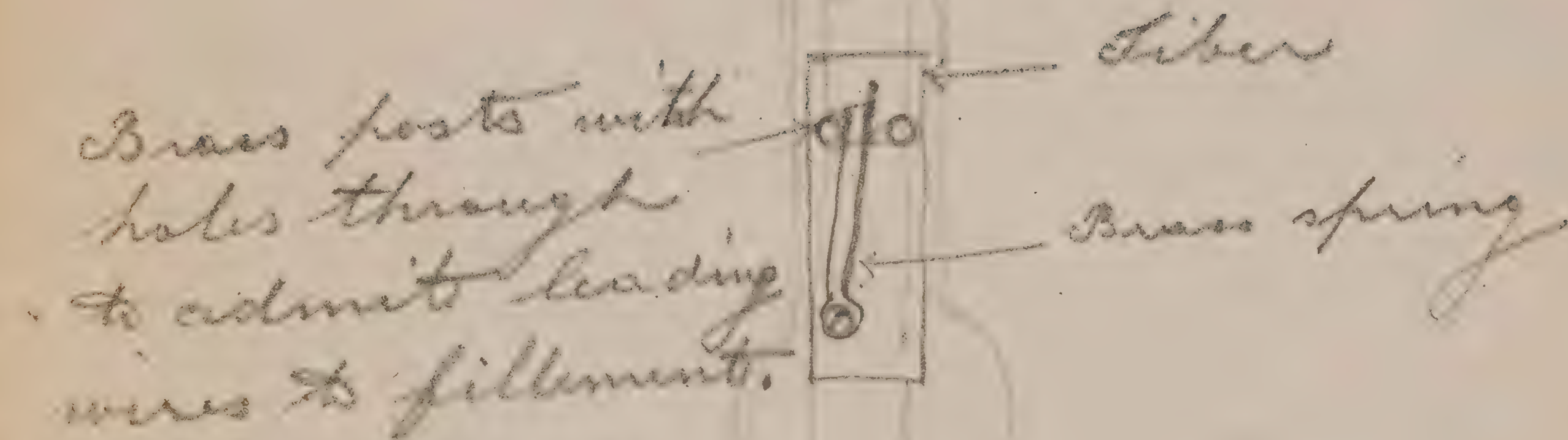
A × B	- 3 Layers of #		10
a	12	"	22
b	20	"	20
c	12	"	22
d	10	"	20
e	6	"	20
f	4	"	20

Edison Armature
C. L. Clark winding



Sep 28 86

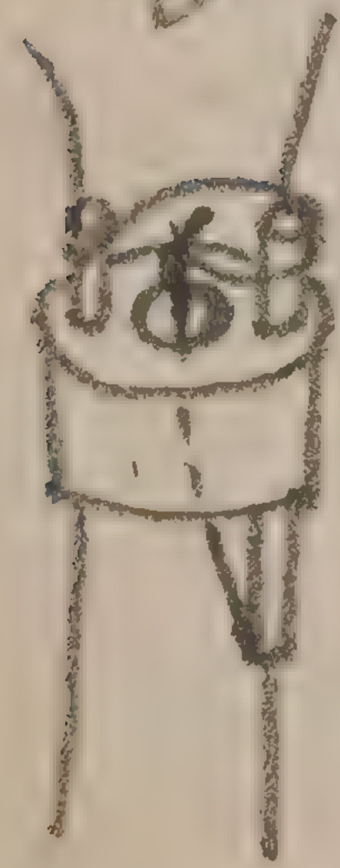
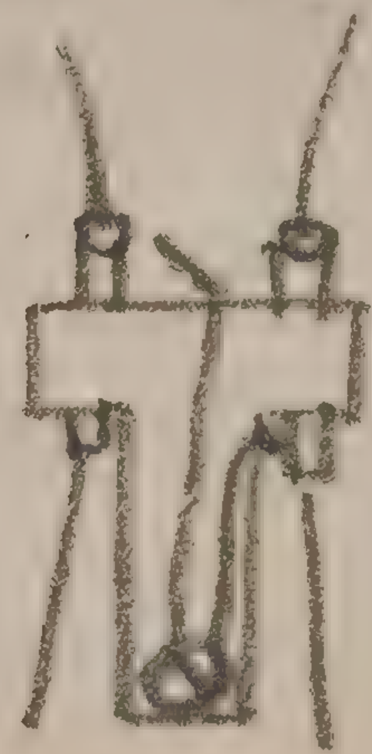
Invented
by J. F. Otto



Also a thread
coted with
Lamp black and a gum this having
a resistance of about 150,000 Ohms
while fillement is perfect no
current flows across to my
mischif but as soon as the fillement
brakes curent flows due to increase
of Electromotive force and destroys
thread, and lets spring snap and

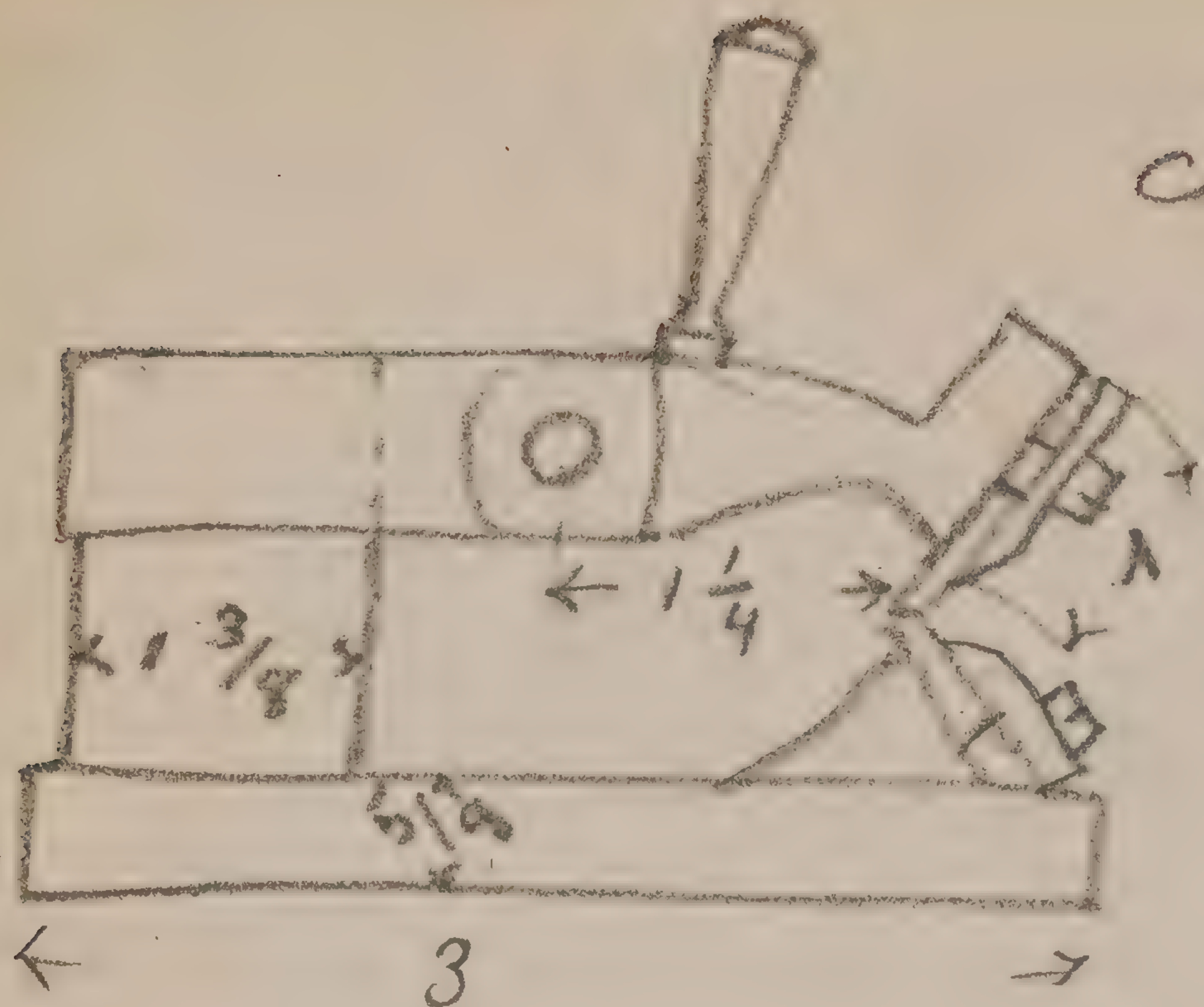
short circuit lamp keeping line closed,

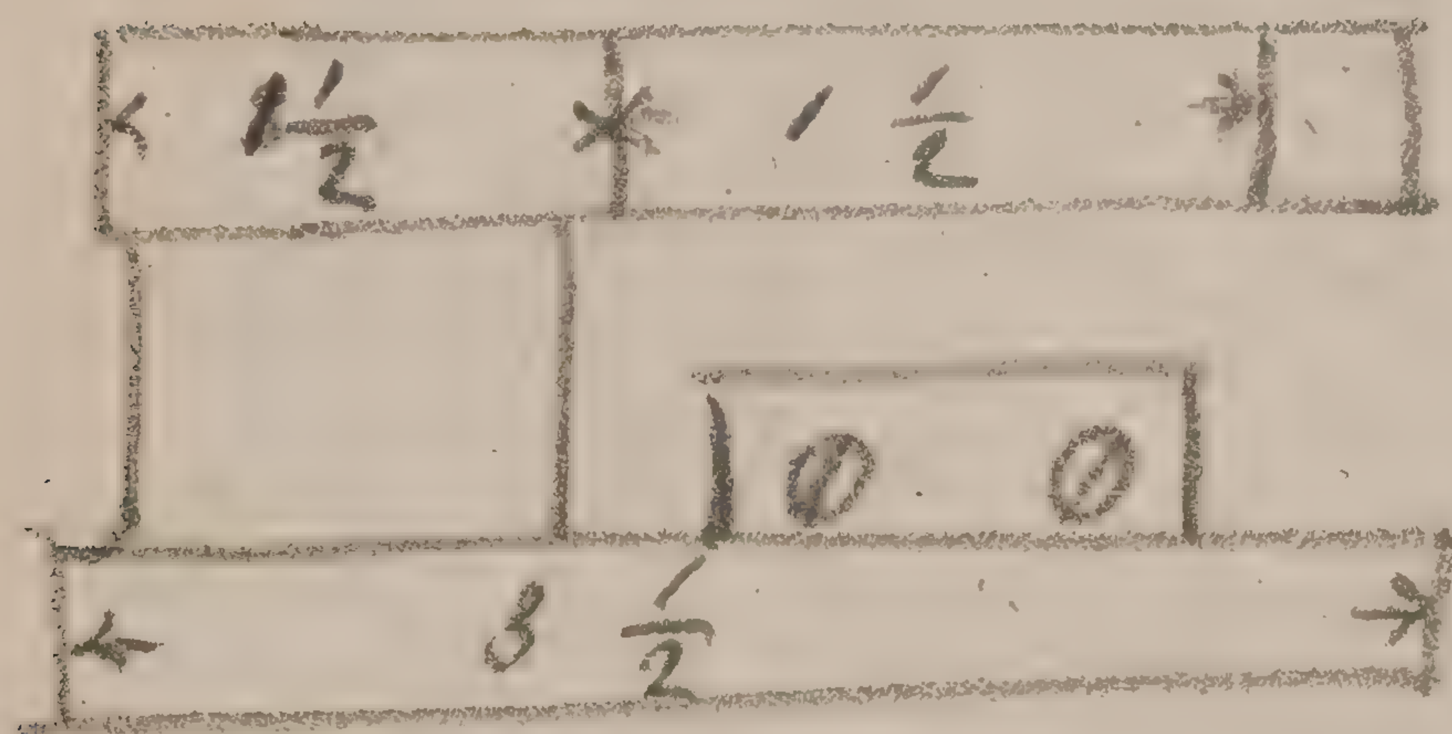
2 If lamp arcs it can only arc through seal then the heat will come in contact with thread, and distroy it long before eney mischief can be done to cutout, This I made and proved on a circuit of 1200 Volts


Dec 86.

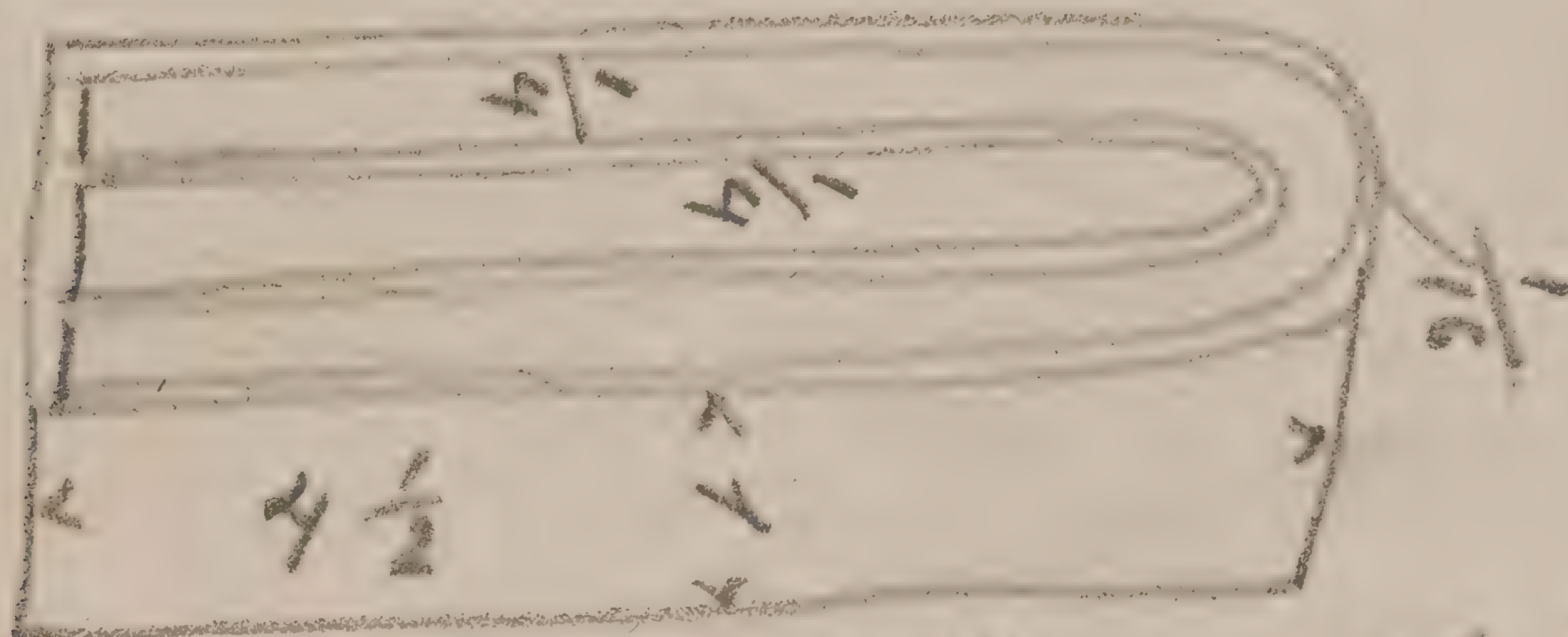
Stones for drawing fibers





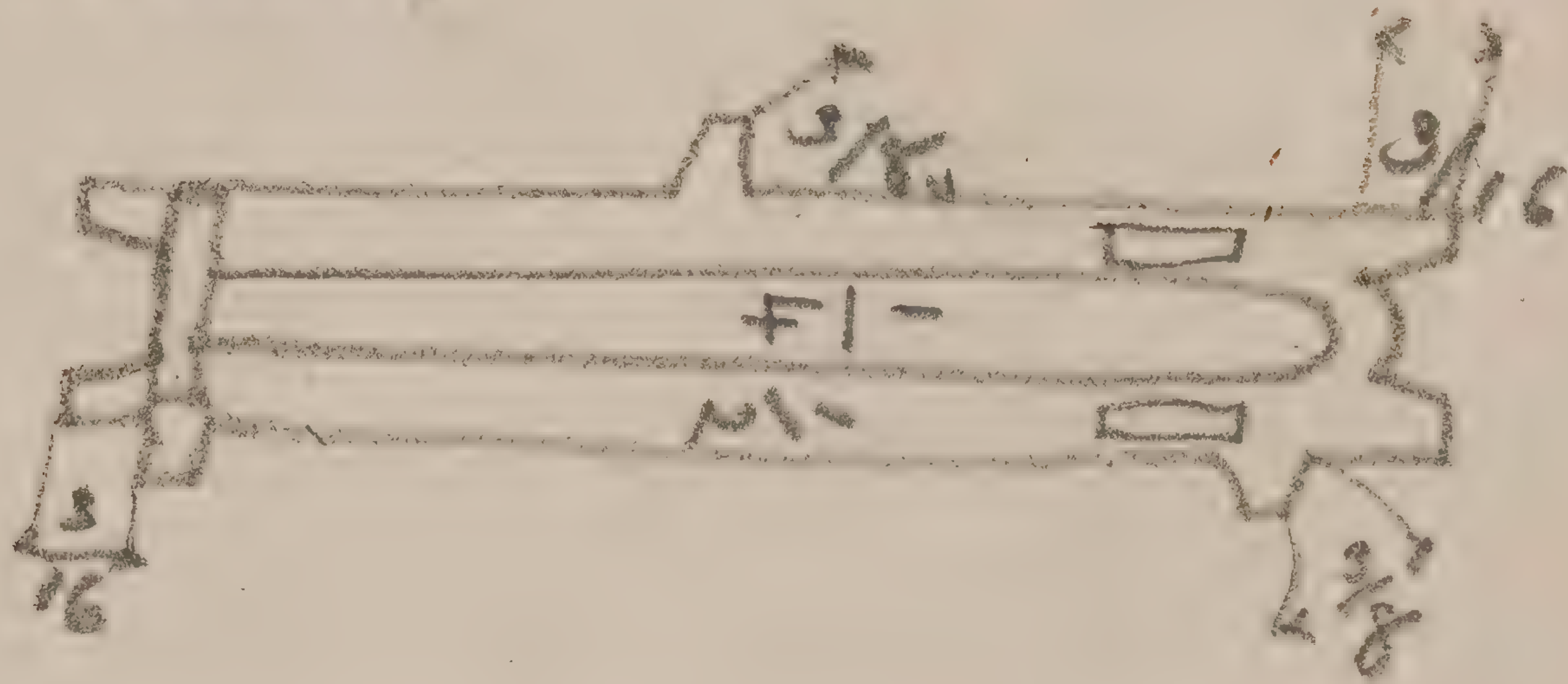
blades 3/64 X 5/8 X 1 1/4.

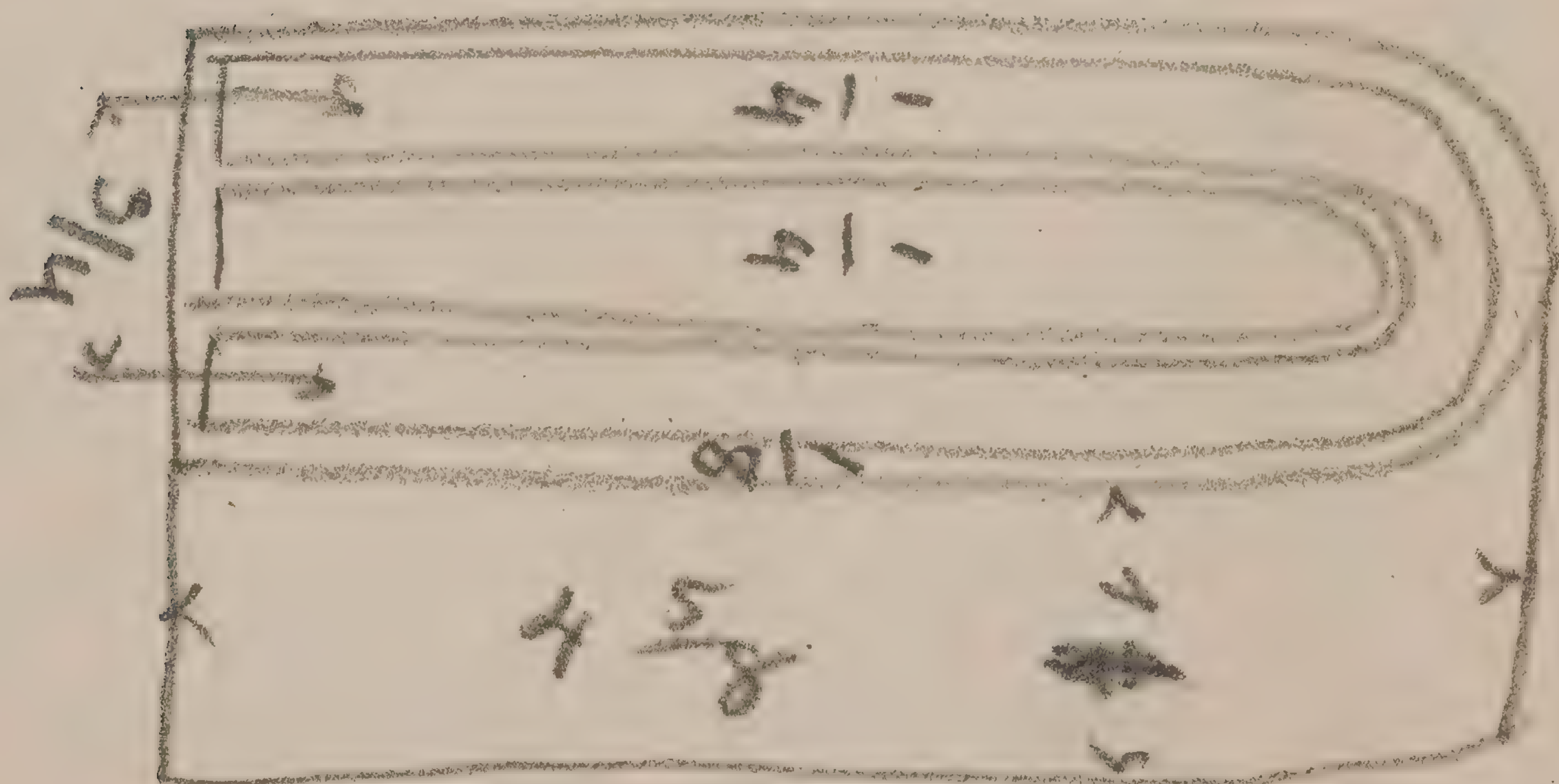
Moulds for Prelimenary carbonizing brass forms



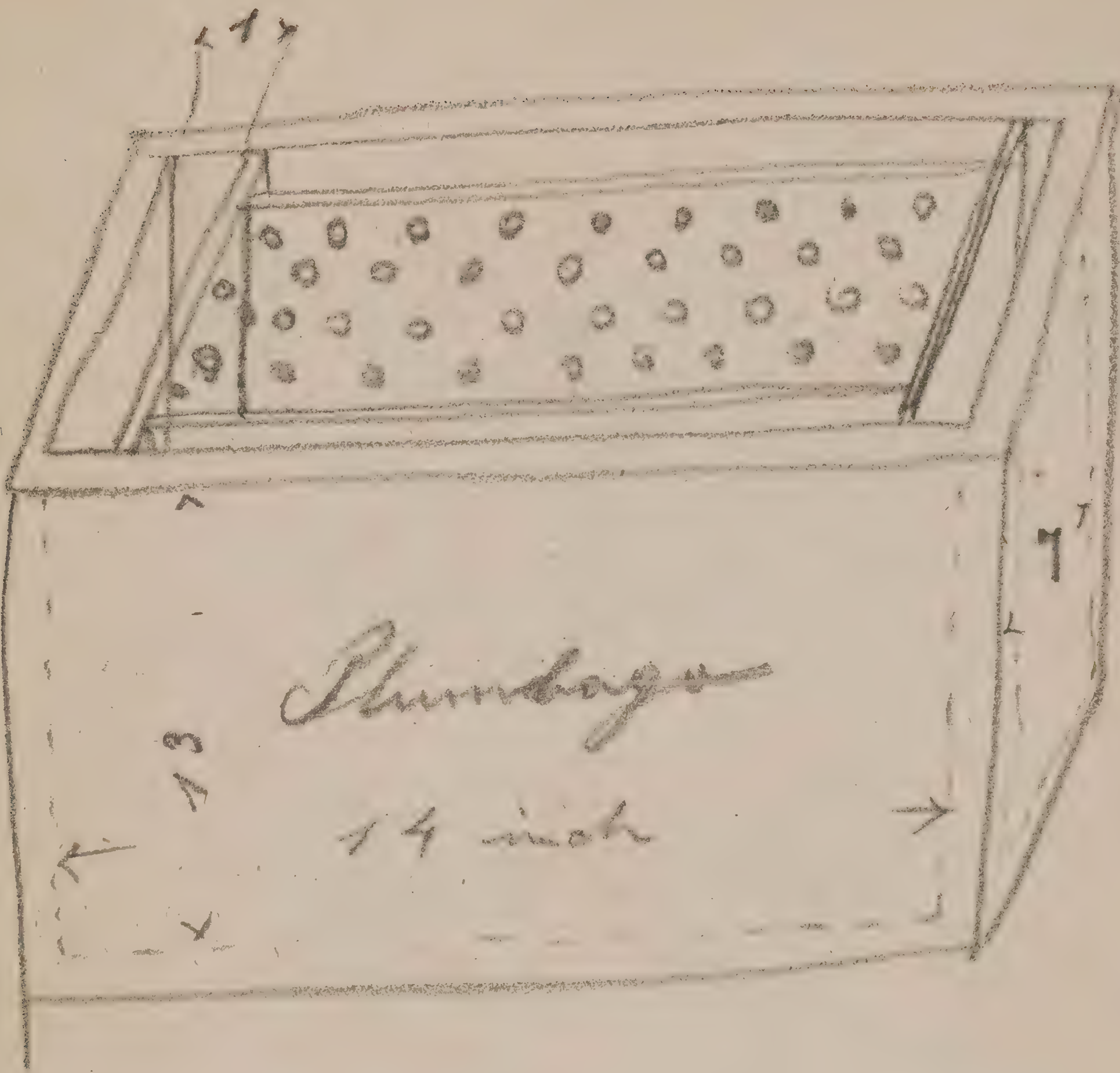
This mould is filled Leigh coal crushed 40 mesh then brought up to 450 and sometimes 900,

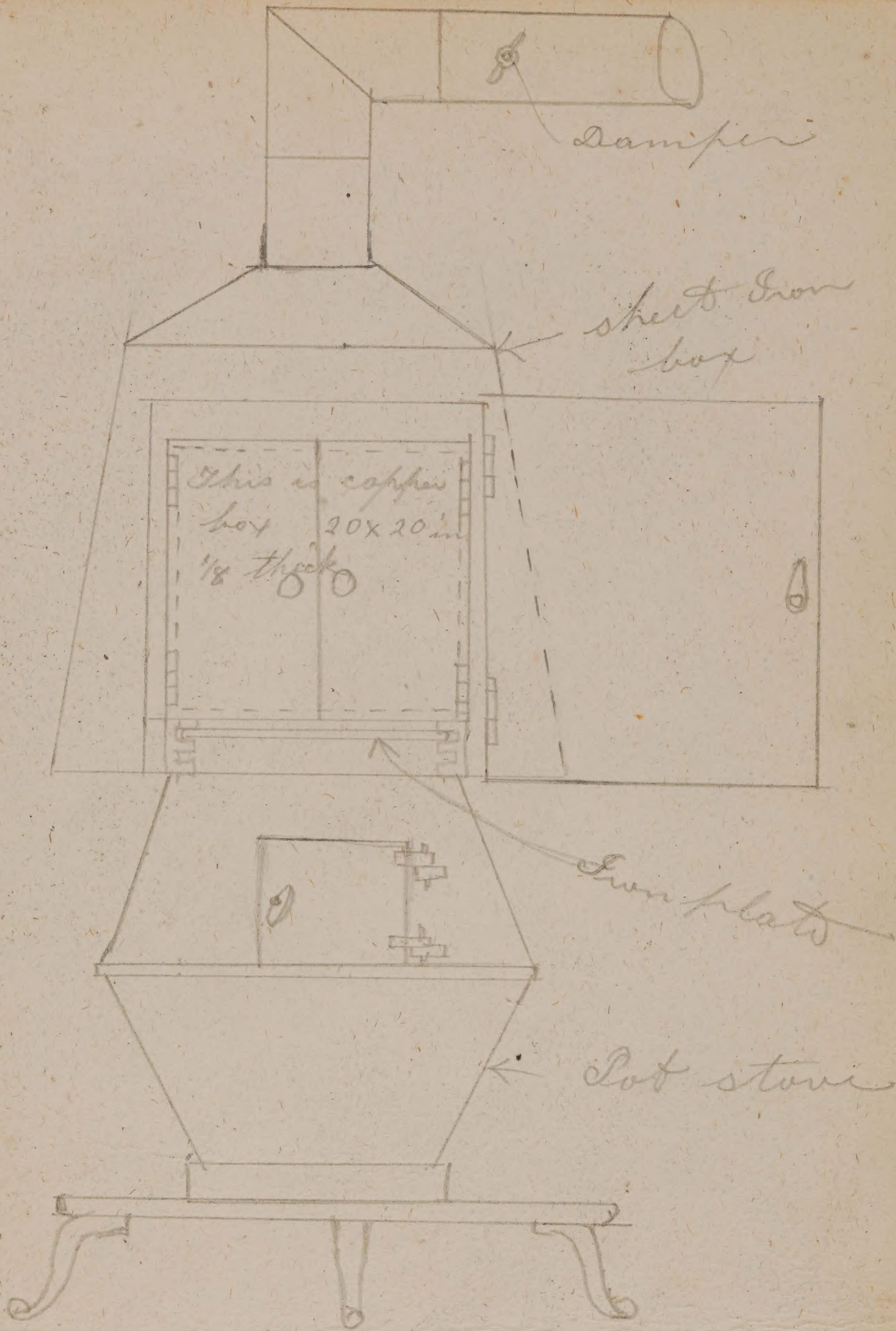
Then put in carbon forms like this,

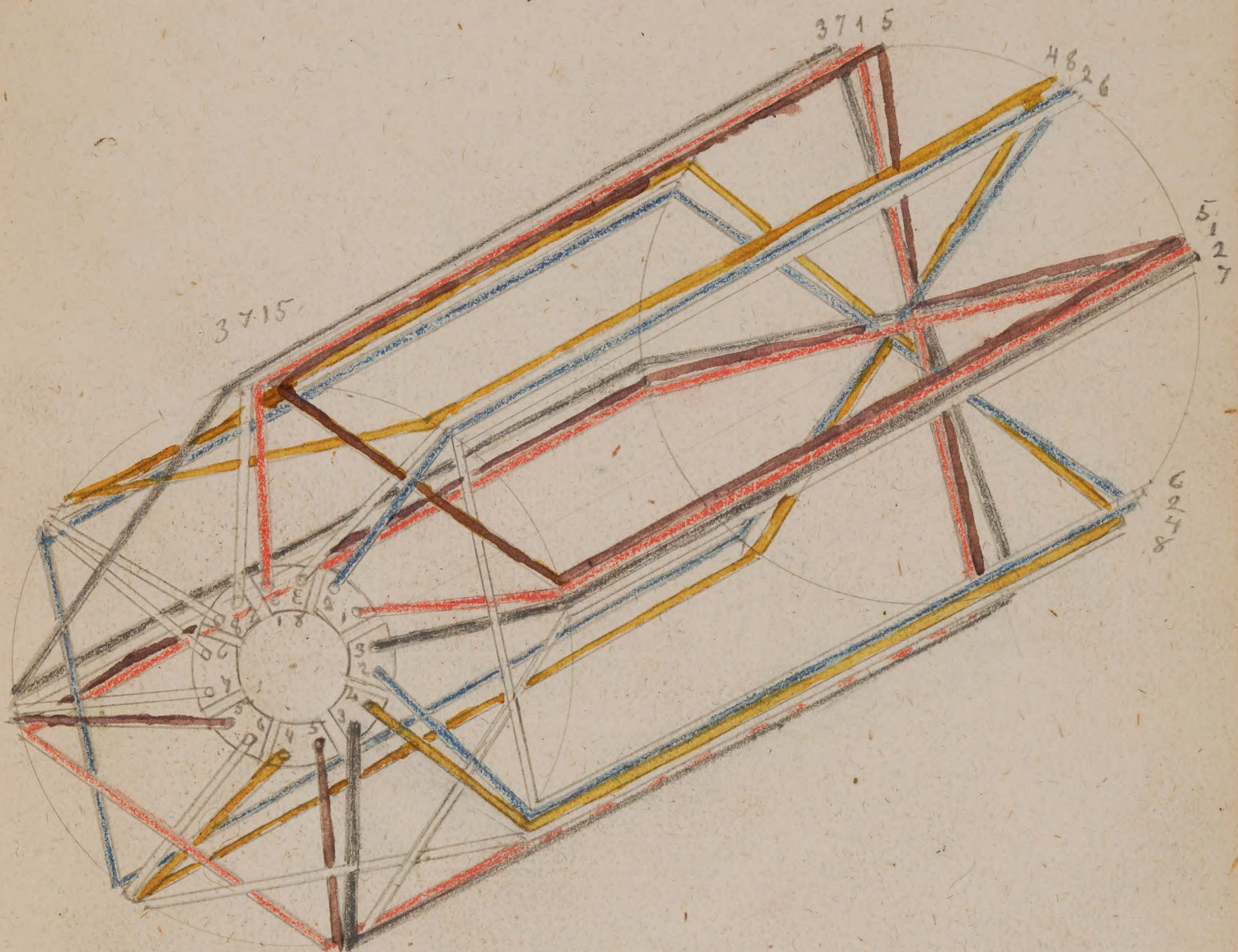




Then put in a Plumbago mould lined with carbon walls prefurated and one inch space


1
7
13
Plumbago
14 inch


Damper
sheet Iron
box
This is copper
box 20x20 in
1/8 thick
Iron plate
Pot stove


3 7 1 5
4 8 2 6
5 1 2 7
6 2 4 8
3 7 1 5

